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UNITED STATES DEPARTMENT OF AGRICULTURE

# BULLETIN No. 792

Contribution from the Bureau of Markets
CHARLES J. BRAND, Chief

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# REPORTS OF STORAGE HOLDINGS OF CERTAIN FOOD PRODUCTS DURING 1918.

## Frozen Meats, Cured Meats and Lard, Frozen Fish, Cured Herring and Mild Cured Salmon.

By JOHN O. BELL, *Assistant in Market Surveys.*

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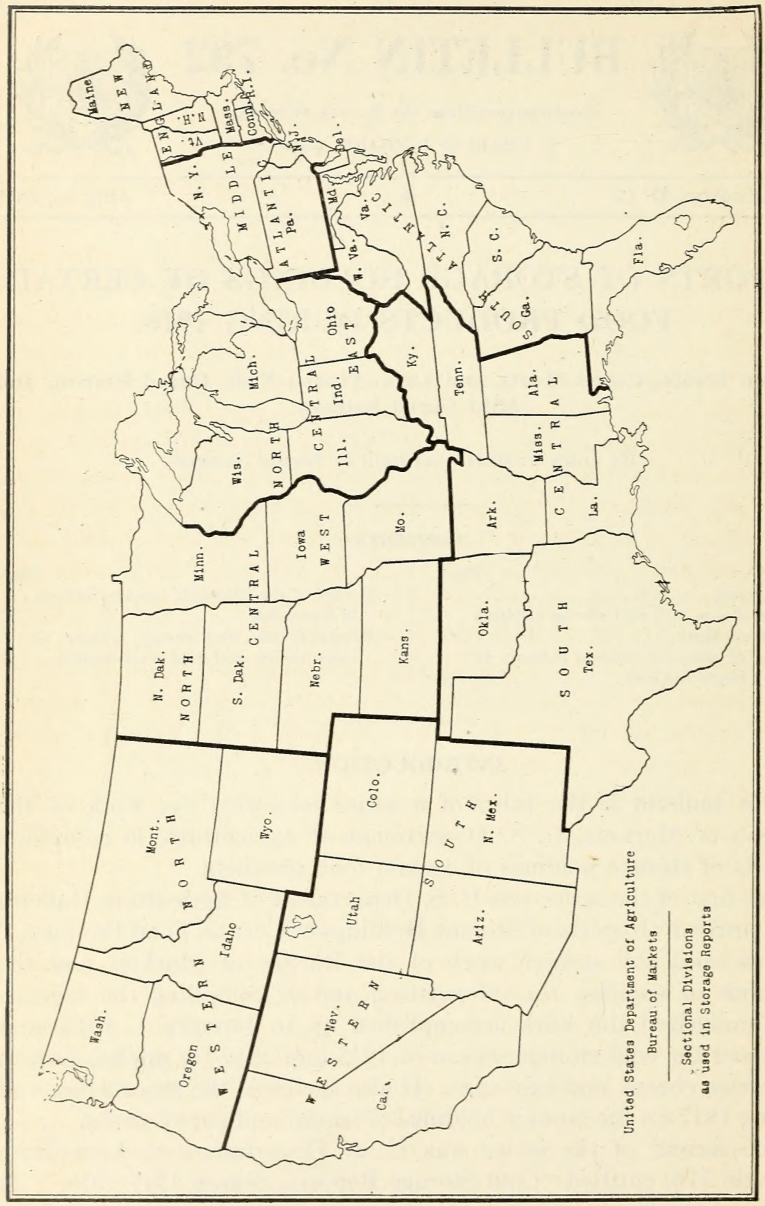
## INTRODUCTION.

This bulletin is the third of a series reviewing the work of the Bureau of Markets, U. S. Department of Agriculture, in compiling reports of storage holdings of certain food products.

The first of the series was U. S. Department of Agriculture Bulletin 709, entitled "Reports of Storage Holdings of Certain Food Products." It described the storage work of the Bureau of Markets and the methods of securing the information and of compiling the reports. It summarized the work accomplished up to January 1, 1918, and reviewed the cold storage season of 1916 and 1917 for apples, butter, American cheese, and case eggs. It also reviewed the reports received during 1917 on the storage holdings of frozen and cured meats.

The second of the series was U. S. Department of Agriculture Bulletin 776, entitled "Cold Storage Reports, Season 1917-1918." It reviewed the reports of that season on apples, creamery and packing stock butter, American cheese, case and frozen eggs, and frozen poultry.


Maine
N. H.
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Mich.
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Minn.
Iowa
N. Dak.
S. Dak.
Nebr.
Kans.
Okla.
Tex.
N. Mex.
Colo.
Wyo.
Mont.
Idaho
Utah
Nev.
Ariz.
Calif.
Oregon
Wash.
NEW ENGLAND
MIDDLE ATLANTIC
SOUTH ATLANTIC
EAST CENTRAL
WEST CENTRAL
SOUTH CENTRAL
NORTH
SOUTH
WESTERN
United States Department of Agriculture
Bureau of Markets
Sectional Divisions
as used in Storage Reports

FIG. 1.

The present bulletin reviews the reports received during 1918 on the storage holdings of frozen and cured meats, lard, frozen fish, cured herring, and mild cured salmon. A series of tables shows the frozen and cured meat holdings at the peak load of the season for that commodity, segregated by sections. These tables include the number of storages reporting for a certain date in each geographical section, and the holdings of these firms. They also furnish comparisons between the stocks reported on these dates with the stocks reported for the same dates of the previous year. The comparison is based on the storages reporting for both dates.

For each variety of meat products and fish, another table shows the holdings of each month on the date of reporting and the relation, expressed in percentage, of the holdings of each month to the peak load of the season and the increase or decrease during each month, both in actual number of pounds and in percentage. The holdings in these tables are based on the actual number of pounds reported, plus an estimate of the stocks of the storages that failed to report. The estimates of the stocks of the unreported firms are based on their holdings reported for the preceding month. It is assumed that the percentage of increase or decrease in their stocks was the same as the percentage of increase or decrease in the stocks of the storages that reported. The unreported stocks in any month never amount to more than 1 per cent of the total holdings.

Another series of tables shows the quantities reported and the comparison of the holdings of each month with those of the same date in the preceding year. This comparison also is based, in each case, on the storages reporting for both dates.

Two series of charts are included in this bulletin. One series shows graphically the comparative monthly holdings during 1918, based on the tables of monthly holdings, including estimates. The other series covers meats only, showing graphically the relative monthly holdings for the years 1916 to 1918, inclusive.

Each chart in this latter series shows the relation, expressed in percentage, of each month's holdings of the particular commodity to the peak load holdings of the entire three years. They are based on the monthly increases and decreases as compiled in the regular monthly reports of the Bureau of Markets. In making such comparisons the reports of those firms having no holdings on one of the dates compared are included. If a firm begins business or ceases business in the intervening period, it is included in the comparison as having no holdings on the date on which it is not in business.

## REVIEW OF THE 1918 COLD STORAGE HOLDINGS OF FROZEN MEATS.

The Bureau of Markets collects and publishes information regarding the monthly cold storage holdings of three classes of frozen meats—frozen beef, frozen pork, and frozen lamb and mutton. As reports are received from practically all cold storage and packing plants in the United States, the information secured shows the quantities on hand on the first of each month in both public and private cold storage warehouses and in packing house plants.

The maximum quantities reported for each of these commodities on the first of any one month during the year were as follows: Frozen beef on January 1, 1918, 309,621,874 pounds; frozen pork on May 1, 1918, 134,633,021 pounds; frozen lamb and mutton on December 1, 1918, 9,046,250 pounds.

These figures, of course, do not represent the total quantities frozen during the year, for, as no information has been secured regarding monthly receipts and deliveries, it is obvious that some meats may have been frozen and removed from the warehouses during the month, which would not appear in the reports of the stocks on hand on the first day of the month. The quantities reported since August 1, 1918, are stocks of carcasses and cuts only and do not include trimmings and offal. Previous to that date, through a misunderstanding, a few warehouses reported trimmings and edible offal with their other meat stocks. From corrected reports received for several months, it is estimated that the trimmings and offal thus included amount to approximately 3 per cent of the total stocks reported.

### FROZEN BEEF.

The reports of the Bureau of Markets have shown extraordinarily large quantities of frozen beef stocks in cold storage during the year. To a great extent this is accounted for by the large quantities frozen for shipment overseas. It is probable that much more was frozen and shipped between reports and therefore is not shown in the monthly reports.

The reports showed that the largest stocks held at any one time during the year were in storage on January 1, 1918. Table 1 shows the holdings of that date segregated by geographical sections and a comparison of the stocks of January 1, 1918, with those of January 1, 1917. This comparison is based on those storages that reported their holdings for both dates.

TABLE 1.—*Cold storage holdings of frozen beef as reported on January 1, 1918.*

| Section. | Reported for January 1, 1918. | | | Comparison with January 1, 1917. | | | |
|---|---|---|---|---|---|---|---|
| | Storages reporting. | Holdings reported. | Percentage of total holdings. | Storages reporting on both dates. | January 1, 1917. | January 1, 1918. | Increase or decrease. |
| | *Number.* | *Pounds.* | *Per cent.* | *Number.* | *Pounds.* | *Pounds.* | *Per cent.* |
| New England | 33 | 18,123,176 | 5.8 | 27 | 4,317,922 | 6,907,222 | + 60.0 |
| Middle Atlantic | 83 | 46,104,962 | 14.9 | 72 | 50,504,794 | 43,501,498 | − 13.9 |
| South Atlantic | 27 | 1,798,926 | .6 | 25 | 1,580,006 | 1,793,826 | + 13.5 |
| N. Central (east) | 74 | 154,173,798 | 49.8 | 55 | 98,439,463 | 138,051,374 | + 40.2 |
| N. Central (west) | 60 | 72,033,748 | 23.3 | 49 | 37,070,067 | 56,210,673 | + 51.6 |
| South Central | 30 | 6,716,079 | 2.2 | 19 | 5,398,610 | 6,091,953 | + 12.8 |
| Western (north) | 28 | 4,964,026 | 1.6 | 21 | 2,796,608 | 4,000,474 | + 43.0 |
| Western (south) | 33 | 5,707,159 | 1.8 | 29 | 2,334,340 | 5,595,123 | +139.7 |
| Total | 369 | 309,621,874 | 100.0 | 297 | 202,441,810 | 262,152,143 | + 29.5 |

Table 1 shows that almost one-half of the frozen beef held at that time was stored in the North Central States east of the Mississippi River, nearly one-fourth in the North Central States west of the Mississippi and only 15 per cent in the Middle Atlantic States. Most of the holdings in the North Central East section were stored in Chicago, that city having 43 per cent of the total stocks of the country. Greater New York stored the second largest amount, or 7.9 per cent, St. Louis, third, or 5.3 per cent, and Boston fourth, or 4.2 per cent.

The percentage stored in the North Central East section increased during January and February, 1918, from 49.8 per cent on January 1 to 52 per cent on March 1, then decreased until July 1, when only 37.9 per cent was stored in that section. By December 1 the percentage had again increased to 44.2 per cent.

The percentage in the North Central West section increased to 23 per cent on February 1, then decreased monthly until September 1, when only 11.6 per cent was stored in that section; it then increased to 15 per cent on December 1.

The percentage stored in New York, New Jersey, and Pennsylvania decreased to 13.4 per cent in February, then increased monthly until September 1, when 34.4 per cent was held in these States. The percentage again decreased, and on December 1 they held 24.2 per cent of the total holdings.

Table 2 gives the monthly holdings reported, plus the estimated holdings of those storages whose reports were not received. It also shows the increase and decrease in holdings monthly. Comparing this table with Table 1, it is shown that the quantities unreported monthly were very small, never amounting to more than 2 per cent.

TABLE 2.—*Monthly cold storage holdings of frozen beef during 1918, and increase or decrease during each month.*

| Month. | Holdings on first of month. | Relative percentage. | Increase or decrease during month. | |
|---|---|---|---|---|
| | *Pounds.* | *Per cent.* | *Pounds.* | *Per cent.* |
| January | 315,571,879 | 100.0 | −23,457,530 | − 7.4 |
| February | 292,114,349 | 92.6 | −16,000,304 | − 5.5 |
| March | 276,114,045 | 87.5 | + 7,673,927 | + 2.8 |
| April | 283,787,972 | 89.9 | −56,212,451 | −19.8 |
| May | 227,575,521 | 72.1 | −23,459,245 | −10.3 |
| June | 204,116,276 | 64.7 | −34,288,658 | −16.8 |
| July | 169,827,618 | 53.8 | +26,692,705 | +15.7 |
| August | 196,520,323 | 62.3 | −11,331,375 | − 5.8 |
| September | 185,188,948 | 58.7 | + 9,294,075 | + 5.0 |
| October | 194,483,023 | 61.6 | +29,390,135 | +15.1 |
| November | 223,873,158 | 70.9 | + 5,837,481 | + 1.9 |
| December | 229,710,639 | 72.8 | +67,148,421 | +29.5 |

By the curves indicating the increases and decreases in holdings during the months involved, figure 2 shows graphically the relative monthly holdings for the years 1916 to 1918, inclusive.

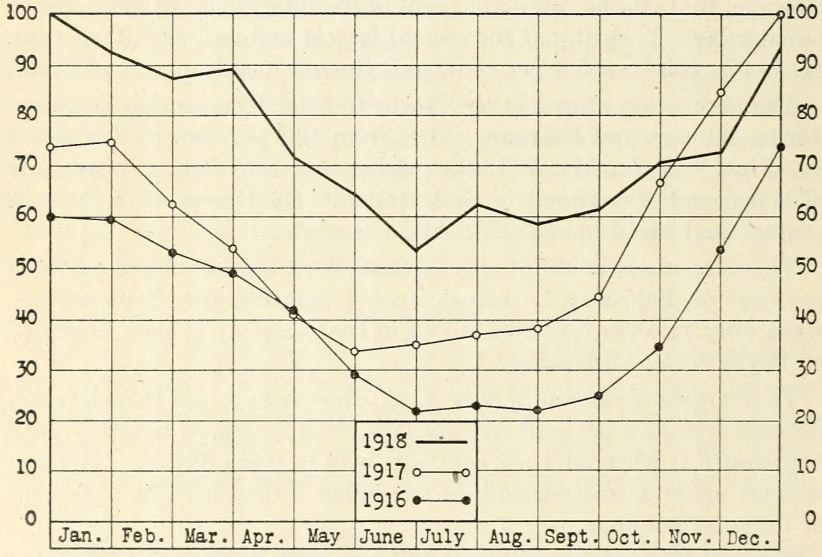


FIG. 2.—Relative monthly cold storage holdings of frozen beef during 1916, 1917, and 1918. Base 100 equals holdings on January 1, 1918.

For several months during the year a few firms failed to report their holdings. A careful estimate has been made of their holdings for these dates. The estimate for each month was based on the holdings reported for the previous and succeeding months.

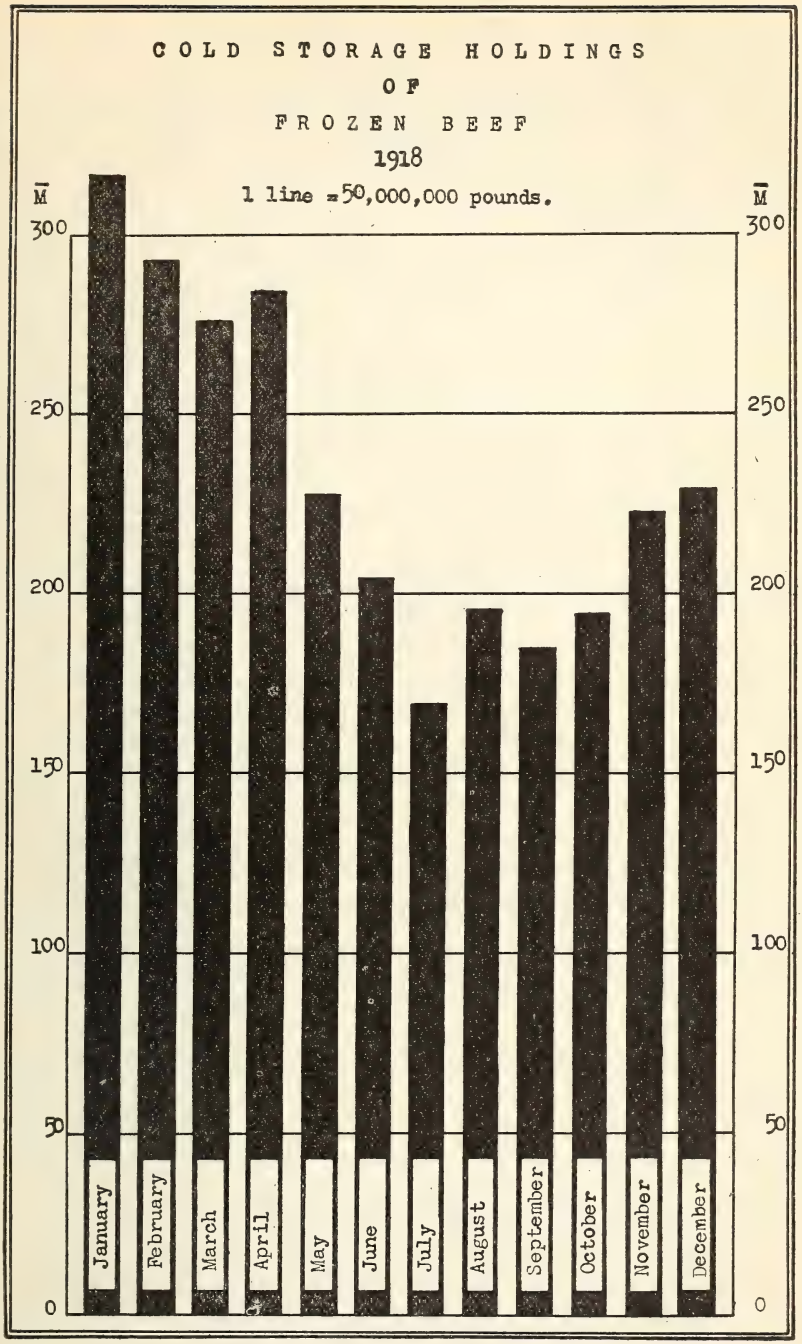
COLD STORAGE HOLDINGS
OF
FROZEN BEEF
1918
1 line =50,000,000 pounds.
M
300
250
200
150
100
50
0
January
February
March
April
May
June
July
August
September
October
November
December

FIG. 3.

Table 3 shows the total quantity reported monthly with a comparison of the holdings of each month with those of the same month in 1917. This comparison also is based on the stocks of those warehouses reporting for both dates. All months except December show the holdings of 1918 to be much more than those of 1917, the increases varying from 8 per cent on February 1 to 91.7 per cent or about ninety-five million pounds on June 1.

TABLE 3.—*Monthly cold storage holdings of frozen beef during 1918 compared with those of 1917.*

| Month. | Reported for 1918. | | Comparison with 1917. | | | |
|---|---|---|---|---|---|---|
| | Storages reporting. | Holdings reported. | Storages reporting for both dates. | 1917. | 1918. | Increase or decrease. |
| | *Number.* | *Pounds.* | *Number.* | *Pounds.* | *Pounds.* | *Per cent.* |
| January | 369 | 309,621,874 | 297 | 202,441,810 | 262,152,143 | +29.5 |
| February | 379 | 292,044,788 | 308 | 190,908,760 | 206,244,760 | + 8.0 |
| March | 386 | 276,114,045 | 318 | 169,792,699 | 188,087,763 | +10.8 |
| April | 380 | 283,787,972 | 322 | 154,192,972 | 250,868,255 | +62.7 |
| May | 383 | 227,575,521 | 326 | 118,391,253 | 206,400,834 | +74.3 |
| June | 369 | 204,116,276 | 321 | 103,006,888 | 197,465,175 | +91.7 |
| July | 377 | 169,827,618 | 328 | 109,353,514 | 163,219,536 | +49.3 |
| August | 360 | 196,520,323 | 323 | 108,728,886 | 182,486,446 | +67.8 |
| September | 368 | 185,188,948 | 327 | 100,453,086 | 170,241,546 | +69.5 |
| October | 370 | 194,483,023 | 327 | 119,221,128 | 170,121,857 | +42.7 |
| November | 371 | 222,267,572 | 339 | 179,031,590 | 195,800,989 | + 9.4 |
| December | 380 | 229,607,772 | 347 | 235,664,360 | 203,217,071 | −13.8 |

Figure 3 is a chart showing the comparative monthly holdings of frozen beef for 1918. The quantities indicated on the chart are based on the quantities reported plus the estimated holdings of unreported warehouses as given in Table 3. The monthly increases and decreases as shown in Table 3 and on this chart do not have any great degree of regularity. They show a general decrease to July 1, except for a slight increase during March. From July 1 until the end of December, the holdings increased monthly except for a slight decrease during the month of August. The greatest decrease, amounting to more than 56,000,000 pounds, occurred during April. In December the holdings were increased by more than 67,000,000 pounds.

### FROZEN PORK.

During the months of April to July, 1918, inclusive, the holdings of frozen pork were much larger than for the previous two years. From August 1 to January 1 the holdings for the three years have shown little variation. Table 4 shows the holdings that were reported on May 1, 1918, segregated by sections. The holdings of that month are the maximum of the season and the largest quantity that has been reported to the Bureau of Markets since these reports have been collected. The table also compares the holdings of May 1, 1918, with those of May 1, 1917, the comparison being based on the holdings of only those warehouses which reported for both dates.

TABLE 4.—*Cold storage holdings of frozen pork as reported on May 1, 1918.*

| Section. | Reported for May 1, 1918. | | | Comparison with May 1, 1917. | | | |
|---|---|---|---|---|---|---|---|
| | Storages reporting. | Holdings reported. | Percentage of total holdings. | Storages reporting on both dates. | May 1, 1917. | May 1, 1918. | Increase or decrease. |
| | *Number.* | *Pounds.* | *Per cent.* | *Number.* | *Pounds.* | *Pounds.* | *Per cent.* |
| New England | 35 | 10,478,041 | 7.8 | 31 | 7,226,239 | 10,031,810 | + 38.8 |
| Middle Atlantic | 83 | 22,323,967 | 16.6 | 75 | 9,095,533 | 22,176,752 | +143.8 |
| South Atlantic | 25 | 1,869,225 | 1.4 | 24 | 477,167 | 1,793,047 | +275.8 |
| N. Central (east) | 76 | 47,755,942 | 35.4 | 65 | 21,226,318 | 42,616,383 | +100.8 |
| N. Central (west) | 60 | 38,846,295 | 28.8 | 56 | 27,373,956 | 37,577,821 | + 37.3 |
| South Central | 31 | 3,467,867 | 2.6 | 25 | 3,325,443 | 2,866,967 | − 13.8 |
| Western (north) | 22 | 3,845,590 | 2.9 | 18 | 2,741,160 | 3,820,216 | + 39.4 |
| Western (south) | 28 | 6,046,094 | 4.5 | 24 | 3,262,004 | 5,783,548 | + 77.3 |
| Total | 360 | 134,633,021 | 100.0 | 318 | 74,727,820 | 126,666,544 | + 69.5 |

More than 80 per cent of the stocks of May 1 were stored in the Middle Atlantic and North Central sections. Chicago cold storages held one-fourth of the stocks and Greater New York cold storages 13.6 per cent. The percentages in the North Central and Middle Atlantic sections varied from 80.8 per cent to 71.5 per cent in October.

Table 5 shows the holdings of each month during the year, including both the stocks reported and an estimate of the holdings of those firms whose reports were not received. It also shows the amount of monthly increases and decreases.

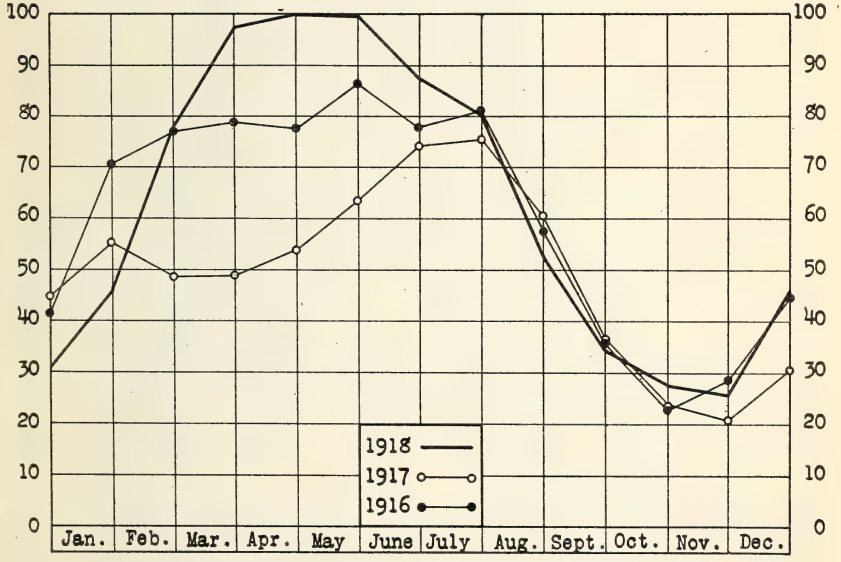


FIG. 4.—Relative monthly cold storage holdings of frozen pork during 1916, 1917, and 1918. Base 100 equals holdings on May 1, 1918.

TABLE 5.—*Monthly cold storage holdings of frozen pork during 1918, and increase or decrease during each month.*

| Month. | Holdings on first of each month. | Relative percentage. | Increase or decrease during month. | |
|---|---|---|---|---|
| | *Pounds.* | *Per cent.* | *Pounds.* | *Per cent.* |
| January | 41,663,343 | 30.9 | +19,995,681 | +48.0 |
| February | 61,659,024 | 45.8 | +42,971,028 | +69.7 |
| March | 104,630,052 | 77.7 | +26,700,426 | +25.5 |
| April | 131,330,478 | 97.5 | + 3,302,543 | + 2.5 |
| May | 134,633,021 | 100.0 | − 501,507 | − 0.4 |
| June | 134,131,514 | 99.6 | −16,155,762 | −12.0 |
| July | 117,975,752 | 87.6 | − 9,755,280 | − 8.3 |
| August | 108,220,472 | 80.4 | −36,835,602 | −34.0 |
| September | 71,384,870 | 53.0 | −24,792,232 | −34.7 |
| October | 46,592,638 | 34.6 | − 9,624,602 | −20.7 |
| November | 36,968,036 | 27.5 | − 2,218,446 | − 5.9 |
| December | 34,749,590 | 25.9 | +26,510,445 | +80.7 |

Table 6 shows the total holdings reported for each month during the year together with the comparison of the holdings of each month with those of the same date of the previous year. It will be observed that in April, May, and June the holdings of 1918 were approximately 50,000,000 pounds greater than those of 1917. However, the 1917 stocks for those months were much smaller than those of 1916. In figure 4 are plotted the relative holdings of each month, for the years 1916 to 1918, inclusive, on a percentage basis. This shows not only the monthly stocks during the three years but also the monthly increase and decrease in holdings.

TABLE 6.—*Monthly cold storage holdings of frozen pork during 1918 compared with those of 1917.*

| Month. | Reported for 1918. | | Comparison with 1917. | | | |
|---|---|---|---|---|---|---|
| | Storages reporting. | Holdings reported. | Storages reporting for both dates. | 1917. | 1918. | Increase or decrease. |
| | *Number.* | *Pounds.* | *Number.* | *Pounds.* | *Pounds.* | *Per cent.* |
| January | 327 | 41,100,684 | 235 | 50,563,951 | 33,167,655 | −34.4 |
| February | 349 | 61,646,499 | 271 | 66,061,889 | 55,155,327 | −16.5 |
| March | 364 | 104,630,052 | 294 | 63,352,144 | 89,288,856 | +40.9 |
| April | 362 | 131,330,478 | 305 | 64,996,160 | 112,676,886 | +73.4 |
| May | 360 | 134,633,021 | 318 | 74,727,820 | 126,666,544 | +69.5 |
| June | 359 | 134,131,514 | 310 | 77,533,678 | 127,880,376 | +64.9 |
| July | 355 | 117,975,752 | 320 | 91,562,278 | 112,045,038 | +22.4 |
| August | 353 | 108,220,472 | 313 | 96,648,335 | 102,889,405 | + 6.5 |
| September | 345 | 71,384,870 | 318 | 72,286,006 | 69,960,132 | − 3.2 |
| October | 359 | 46,592,638 | 320 | 39,767,455 | 44,880,387 | +12.9 |
| November | 350 | 37,505,113 | 311 | 25,347,070 | 35,485,652 | +40.0 |
| December | 351 | 34,621,846 | 323 | 23,504,075 | 33,842,445 | +44.0 |

Figure 5 shows graphically the quantities of frozen pork in cold storage on the first day of each month during the year 1918. It is based on the quantities given in Table 5. The largest increase in holdings occurred during the month of February when the increase

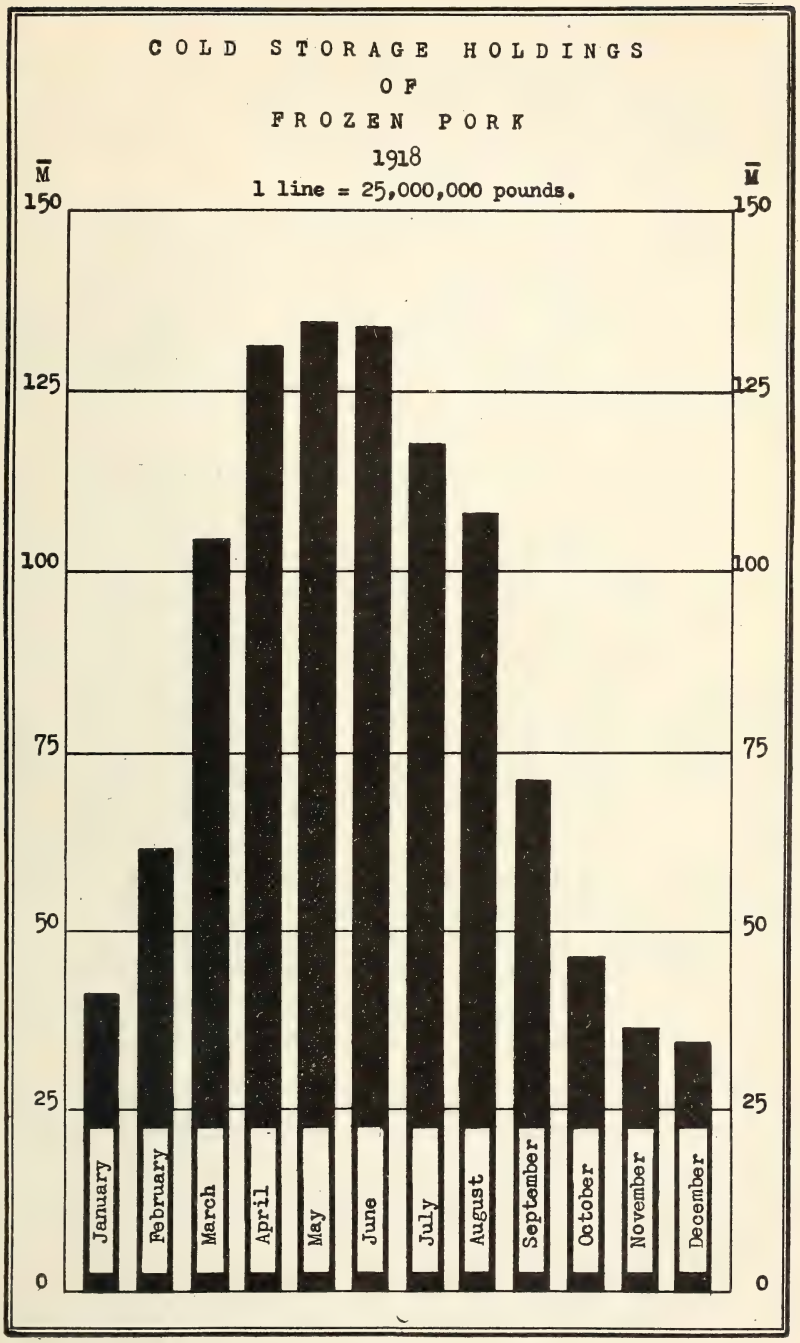
COLD STORAGE HOLDINGS
OF
FROZEN PORK
1918
1 line = 25,000,000 pounds.
M
150
125
100
75
50
25
0
January
February
March
April
May
June
July
August
September
October
November
December

FIG. 5.

was nearly 43,000,000 pounds. The decreases were more regular, and varied from 500,000,000 pounds during May to 36,800,000 pounds during August. The stocks increased monthly until May 1, then decreased until December 1. During December there was an increase of 26½ million pounds, indicating that the 1919 stocks were beginning to go into cold storage.

### FROZEN LAMB AND MUTTON.

The holdings of frozen lamb and mutton as reported on December 1, 1918, amounted to 9,046,250 pounds. All cold storages and packing plants on the list of the Bureau of Markets reported their holdings for that date. These stocks were 53.7 per cent greater than on December 1, 1917. Table 7 segregates the holdings of December 1, 1918, by geographical sections, and compares the holdings of each section with those of December 1, 1917.

TABLE 7.—*Cold storage holdings of frozen lamb and mutton as reported on December 1, 1918.*

| Section. | Reported for December 1, 1918. | | | Comparison with December 1, 1917. | | | |
|---|---|---|---|---|---|---|---|
| | Storages reporting. | Holdings reported. | Percentage of total holdings. | Storages reporting on both dates. | December 1, 1917. | December 1, 1918. | Increase or decrease. |
| | *Number.* | *Pounds.* | *Per cent.* | *Number.* | *Pounds.* | *Pounds.* | *Per cent.* |
| New England | 23 | 965,934 | 10.7 | 22 | 938,378 | 965,891 | + 2.9 |
| Middle Atlantic | 57 | 2,944,048 | 32.5 | 53 | 2,209,845 | 2,738,978 | + 23.9 |
| South Atlantic | 14 | 164,539 | 1.8 | 12 | 108,369 | 163,889 | + 51.2 |
| N. Central (east) | 34 | 2,351,142 | 26.0 | 29 | 1,118,979 | 2,031,756 | + 81.6 |
| N. Central (west) | 35 | 1,608,718 | 17.8 | 31 | 428,480 | 1,411,830 | +229.5 |
| South Central | 16 | 326,575 | 3.6 | 13 | 61,405 | 324,507 | +428.5 |
| Western (north) | 27 | 204,473 | 2.3 | 23 | 306,338 | 198,103 | − 35.3 |
| Western (south) | 21 | 480,821 | 5.3 | 20 | 233,976 | 476,383 | +103.6 |
| Total | 227 | 9,046,250 | 100.0 | 203 | 5,405,770 | 8,311,337 | + 53.7 |

It will be observed that of the 9,046,250 pounds reported for December 1, 32.5 per cent was stored in the Middle Atlantic States, 26 per cent in the North Central East section, 17.8 per cent in the Central West section, and 10.7 per cent in the New England section, a total of 87 per cent of the total United States holdings. Approximately 28 per cent was stored in greater New York and 25 per cent in Chicago.

Table 8 shows the total holdings for each month during 1918, these totals being based on the stocks of the warehouses reporting, plus an estimate of the holdings of storages not reporting. By comparing this table with Table 8 it will be observed that the unreported stocks amounted to a very small percentage of the quantities reported monthly. Using the stocks of December 1 as a base, this table also shows the percentage of the holdings of each month, the monthly increase and decrease in holdings expressed in pounds, and the percentage that this decrease is of the stocks of the previous month.

TABLE 8.—*Monthly cold storage holdings of frozen lamb and mutton during 1918, and increase or decrease during each month.*

| Month. | Holdings on first of month. | Relative percentage. | Increase or decrease during month. | |
|---|---|---|---|---|
| | *Pounds.* | *Per cent.* | *Pounds.* | *Per cent.* |
| January | 7,403,093 | 81.9 | −1,088,073 | −14.7 |
| February | 6,315,020 | 69.8 | +1,540,161 | +24.4 |
| March | 7,855,181 | 86.9 | −1,507,021 | −19.2 |
| April | 6,348,160 | 70.2 | −2,315,273 | −36.5 |
| May | 4,032,887 | 44.6 | + 209,873 | + 5.2 |
| June | 4,242,760 | 46.9 | − 749,299 | −17.7 |
| July | 3,493,461 | 38.6 | + 676,079 | +19.4 |
| August | 4,169,540 | 46.1 | − 123,163 | − 3.0 |
| September | 4,046,377 | 44.8 | +1,195,384 | +29.5 |
| October | 5,241,761 | 58.0 | +3,042,570 | +58.0 |
| November | 8,284,331 | 91.6 | + 761,919 | + 9.2 |
| December | 9,046,250 | 100.0 | +3,398,668 | +37.6 |

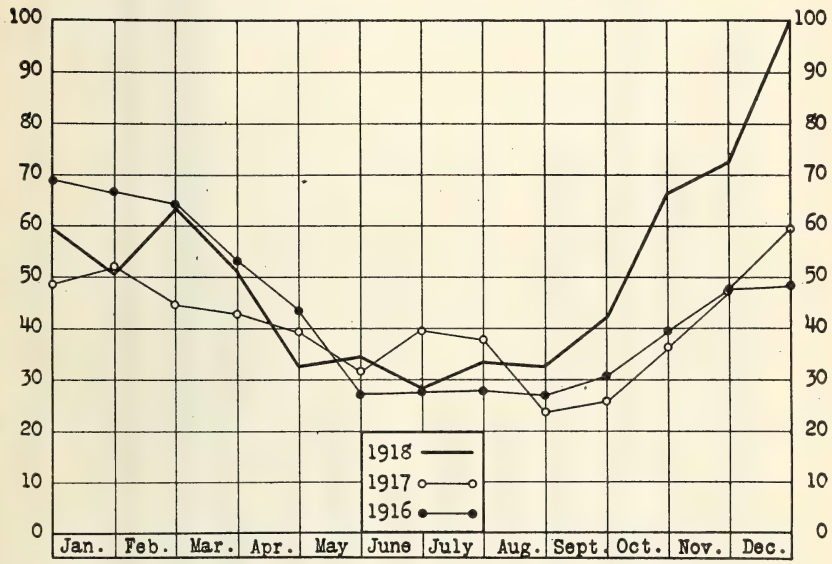


FIG. 6.—Relative monthly cold storage holdings of frozen lamb and mutton during 1916, 1917, and 1918. Base 100 equals holdings on January 1, 1919.

Table 9 shows the holdings reported monthly during the year and a comparison of the holdings of each month with those of the same date of the previous year. This comparison includes only the holdings of those warehouses reporting for both dates. Figure 6 shows the relative holdings of each month for the past three years. This chart is prepared on a percentage basis and it also shows the relative monthly percentage of increase or decrease during those years. It shows that the movement of frozen lamb and mutton to and from storage was rather erratic.

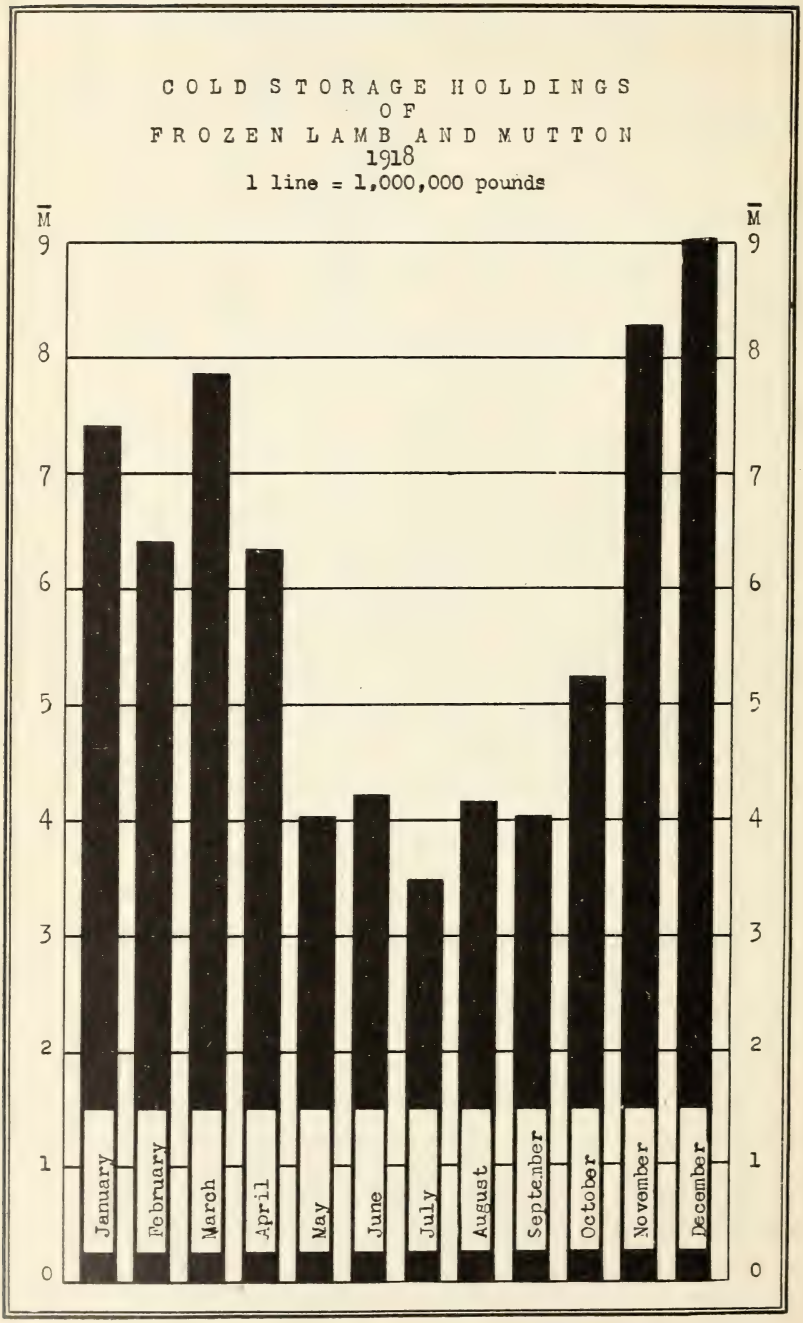
COLD STORAGE HOLDINGS
OF
FROZEN LAMB AND MUTTON
1918
1 line = 1,000,000 pounds
M
9
8
7
6
5
4
3
2
1
0
January
February
March
April
May
June
July
August
September
October
November
December

FIG. 7.

TABLE 9.—*Monthly cold storage holdings of frozen lamb and mutton during 1918 compared with those of 1917.*

| Month. | Reported for 1918. | | Comparison with 1917. | | | |
|---|---|---|---|---|---|---|
| | Storages reporting. | Holdings reported. | Storages reporting for both dates. | 1917. | 1918. | Increase or decrease. |
| | *Number.* | *Pounds.* | *Number.* | *Pounds.* | *Pounds.* | *Per cent.* |
| January | 200 | 7,356,166 | 147 | 4,885,678 | 5,456,148 | +11.7 |
| February | 201 | 6,314,420 | 157 | 5,895,319 | 5,365,317 | − 9.0 |
| March | 210 | 7,855,181 | 166 | 4,948,954 | 6,929,546 | +40.0 |
| April | 211 | 6,348,160 | 170 | 4,871,723 | 5,653,730 | +16.1 |
| May | 209 | 4,032,887 | 171 | 4,368,770 | 3,663,231 | −16.1 |
| June | 201 | 4,242,760 | 169 | 3,508,294 | 3,963,836 | +13.0 |
| July | 205 | 3,493,461 | 173 | 4,380,373 | 3,149,321 | −28.1 |
| August | 214 | 4,101,370 | 179 | 3,912,194 | 3,728,697 | − 4.7 |
| September | 210 | 4,046,377 | 178 | 2,715,659 | 3,788,231 | +39.5 |
| October | 225 | 5,241,761 | 185 | 2,768,033 | 4,543,219 | +64.1 |
| November | 231 | 8,610,224 | 195 | 4,193,668 | 7,738,444 | +84.5 |
| December | 226 | 9,046,250 | 203 | 5,405,770 | 8,311,337 | +53.7 |

Figure 7 illustrates the relative quantities held on the first day of each month during 1918.

## REVIEW OF THE 1918 STORAGE HOLDINGS OF CURED MEATS AND LARD.

The three varieties of cured meats on which reports are made by the Bureau of Markets are cured beef, dry salt pork, and pickled pork. The reports also cover the stocks of lard and miscellaneous meats. Included in miscellaneous meats are all stocks of beef, pork and mutton trimmings and all stocks of beef, pork and mutton edible offal whether frozen, cured or otherwise prepared for food. It does not include sausage and canned meat products. Reports on these commodities were not requested until August 1, 1918, and sufficient data have not been secured to show the holdings and movement for a season. In the cured meat products are included meats in process of cure as well as meat on which the process of curing is completed.

### CURED BEEF.

The largest quantity of cured beef reported during the season was held on January 1, 1918. The 363 storages that reported for that date showed stocks of 38,279,264 pounds. It is estimated that the holdings of the 3 storages that did not report amounted to 963,307 pounds, making a total of 39,242,571 pounds. This was about 3⅓ per cent less than the holdings for January 1, 1917.

TABLE 10.—*Cold storage holdings of cured beef as reported on January 1, 1918.*

| Section. | Reported for January 1, 1918. | | | Comparison with January 1, 1917. | | | |
|---|---|---|---|---|---|---|---|
| | Storages reporting. | Holdings reported. | Percentage of total holdings. | Storages reporting on both dates. | January 1, 1917. | January 1, 1918. | Increase or decrease. |
| | *Number.* | *Pounds.* | *Per cent.* | *Number.* | *Pounds.* | *Pounds.* | *Per cent.* |
| New England | 26 | 1,389,312 | 3.6 | 20 | 821,371 | 1,199,312 | + 46.0 |
| Middle Atlantic | 95 | 4,553,085 | 11.9 | 80 | 5,649,827 | 4,164,069 | − 26.3 |
| South Atlantic | 34 | 648,422 | 1.7 | 29 | 324,424 | 623,144 | + 92.1 |
| N. Central (east) | 94 | 16,558,496 | 43.3 | 87 | 17,032,000 | 16,338,459 | − 4.1 |
| N. Central (west) | 49 | 13,294,063 | 34.7 | 47 | 12,985,971 | 12,913,430 | − 0.6 |
| South Central | 22 | 607,197 | 1.6 | 16 | 427,529 | 572,821 | + 34.0 |
| Western (north) | 20 | 374,198 | 1.0 | 19 | 488,398 | 326,313 | − 33.2 |
| Western (south) | 23 | 854,491 | 2.2 | 18 | 509,720 | 838,298 | + 64.5 |
| Total | 363 | 38,279,264 | 100.0 | 316 | 38,239,240 | 36,975,846 | − 3.3 |

Table 10 shows the holdings as reported on January 1, 1918, segregated by geographical sections and a comparison of the holdings of that date with those of January 1, 1917. This segregation shows that 90 per cent of the total holdings were stored in the Middle Atlantic and North Central sections. More than 900,000 pounds of the unreported stocks were stored in Chicago, so the North Central East section held 44.5 per cent of the total holdings of the United States, while Chicago storages alone held 38.2 per cent. Greater New York held a little less than 5 per cent of the total stocks.

TABLE 11.—*Monthly storage holdings of cured beef during 1918, and increase or decrease during each month.*

| Month. | Holdings on first of month. | Relative percentage. | Increase or decrease during month. | |
|---|---|---|---|---|
| | *Pounds.* | *Per cent.* | *Pounds.* | *Per cent.* |
| January | 39,242,571 | 100.0 | − 449,932 | − 1.1 |
| February | 38,792,639 | 98.9 | −1,218,058 | − 3.1 |
| March | 37,574,581 | 95.7 | −2,173,443 | − 5.8 |
| April | 35,401,132 | 90.2 | −5,140,153 | −14.5 |
| May | 30,260,979 | 77.1 | −3,920,511 | −13.0 |
| June | 26,340,468 | 67.1 | −2,704,960 | −10.3 |
| July | 23,635,508 | 60.2 | +6,000,604 | +25.4 |
| August | 29,636,112 | 75.5 | + 575,405 | + 1.9 |
| September | 30,211,517 | 77.0 | −1,282,457 | − 4.2 |
| October | 28,929,060 | 73.7 | +1,225,298 | + 4.2 |
| November | 30,154,358 | 76.8 | +2,428,809 | + 8.0 |
| December | 32,583,167 | 83.0 | +3,583,175 | +11.0 |

Table 11 shows the total holdings of each month during the year and the percentage of the holdings of each month based on the stocks of January 1. It also shows the monthly increase and decrease in holdings and the percentage that each month's increase or decrease is of the stocks on hand on the first day of that month. The data in this table are based on the total monthly stocks reported, plus an estimate of the unreported holdings.

TABLE 12.—*Monthly cold storage holdings of cured beef during 1918 compared with those of 1917.*

| Month. | Reported for 1918. | | Comparison with 1917. | | | |
|---|---|---|---|---|---|---|
| | Storages reporting. | Holdings reported. | Storages reporting for both dates. | 1917. | 1918. | Increase or decrease. |
| | *Number.* | *Pounds.* | *Number.* | *Pounds.* | *Pounds.* | *Per cent.* |
| January | 363 | 38,279,264 | 290 | 37,301,283 | 35,762,222 | − 4.1 |
| February | 370 | 38,792,639 | 307 | 35,890,829 | 35,950,372 | + 0.2 |
| March | 375 | 37,608,731 | 320 | 37,660,065 | 36,508,067 | − 3.1 |
| April | 383 | 35,401,132 | 330 | 30,601,470 | 32,954,304 | + 7.7 |
| May | 383 | 31,236,415 | 333 | 29,408,560 | 29,409,829 | + 0.004 |
| June | 380 | 26,340,468 | 342 | 30,831,335 | 24,259,459 | −21.3 |
| July | 373 | 23,635,508 | 330 | 35,679,158 | 23,151,585 | −35.1 |
| August | 371 | 29,636,112 | 330 | 32,401,017 | 28,773,872 | −11.2 |
| September | 373 | 30,211,517 | 340 | 30,289,505 | 29,037,934 | − 4.1 |
| October | 381 | 28,929,060 | 348 | 31,246,459 | 27,968,521 | −10.5 |
| November | 382 | 29,514,914 | 349 | 32,222,692 | 28,489,443 | −11.6 |
| December | 363 | 32,583,167 | 346 | 38,324,795 | 31,894,094 | −16.8 |

Table 12 shows the quantities reported for the first day of each month during the year together with a comparison of the holdings for the same dates for 1917. The stocks were less for all months, except February, April, and May. April stocks showed an increase of 7.7 per cent, while February and May stocks showed less than 1 per cent increase.

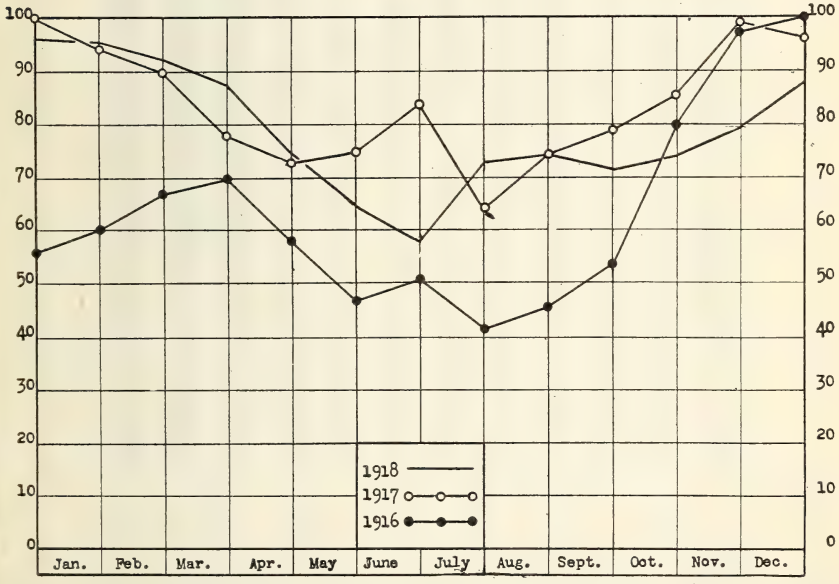


FIG. 8.—Relative monthly storage holdings of cured beef during 1916, 1917, and 1918. Base 100 equals holdings on January 1, 1917.

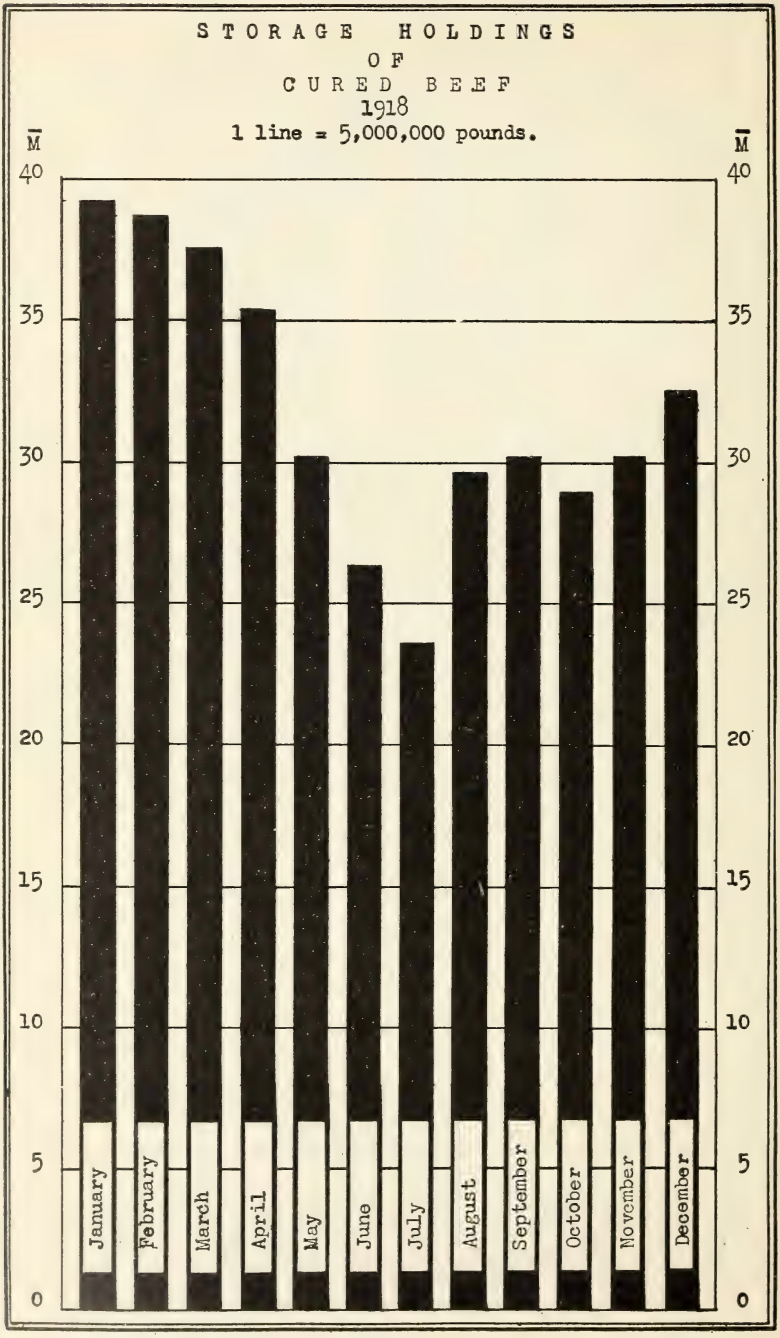
STORAGE HOLDINGS
OF
CURED BEEF
1918
1 line = 5,000,000 pounds.
M
40
35
30
25
20
15
10
5
0
January
February
March
April
May
June
July
August
September
October
November
December

FIG. 9.

Figure 8 shows the relative monthly holdings for the years 1916 to 1918, inclusive. It is prepared on a percentage basis and also shows the relative monthly movement. It will be observed that the stocks of 1916, except for the months of November and December, were considerably smaller than those of the two preceding years.

Figure 9 illustrates the relative quantities on hand on the first day of each month during 1918. The holdings decreased monthly from January to June, then increased monthly until December, excepting for a slight decrease during September. The holdings never reached a very low point. The stocks on July 1 amounted to 23,635,508 pounds, a decrease of only 42.6 per cent from the maximum holdings of January 1.

## DRY SALT PORK.

The reports received by the Bureau of Markets during 1918 showed extremely large holdings of dry salt pork. The largest quantity reported was held on June 1, when 480 cold storages and packing houses reported stocks of 490,193,305 pounds. Reports were not received from two warehouses for that date. Basing an estimate on their reports for other months, it is probable that their holdings on that date amounted to approximately 18,000 pounds. The reports of the 436 storages that reported for both June 1, 1917, and June 1, 1918, showed that the amount held on June 1 was 125 per cent more than was stored on the same date of the previous year.

TABLE 13.—*Cold storage holdings of dry salt pork as reported on June 1, 1918.*

| Section. | Reported for June 1, 1918. | | | Comparison with June 1, 1917. | | | |
|---|---|---|---|---|---|---|---|
| | Storages reporting. | Holdings reported. | Percentage of total holdings. | Storages reporting on both dates. | June 1, 1917. | June 1, 1918. | Increase or decrease. |
| | *Number.* | *Pounds.* | *Per cent.* | *Number.* | *Pounds.* | *Pounds.* | *Per cent.* |
| New England | 23 | 19,608,411 | 4.0 | 21 | 10,138,692 | 18,570,112 | + 83.2 |
| Middle Atlantic | 81 | 22,474,766 | 4.5 | 74 | 8,419,180 | 22,346,140 | +165.4 |
| South Atlantic | 64 | 7,193,021 | 1.5 | 55 | 4,802,019 | 6,246,308 | + 30.1 |
| N. Central (east) | 122 | 208,262,182 | 42.5 | 116 | 88,303,950 | 207,278,712 | +134.7 |
| N. Central (west) | 79 | 204,478,633 | 41.7 | 74 | 87,545,140 | 199,959,376 | +128.4 |
| South Central | 46 | 19,545,621 | 4.0 | 40 | 10,734,072 | 18,718,829 | + 74.4 |
| Western (north) | 31 | 3,347,439 | .7 | 29 | 1,334,493 | 3,248,006 | +143.4 |
| Western (south) | 34 | 5,283,232 | 1.1 | 27 | 2,524,153 | 4,671,727 | + 85.1 |
| Total | 480 | 490,193,305 | 100.0 | 436 | 213,801,699 | 481,039,210 | +125.0 |

More than 84 per cent of the stocks of June 1, 1918, were stored in the North Central States, 42.5 per cent being east of the Mississippi River and 41.7 per cent west of the Mississippi. More than 70 per cent of the holdings of each month throughout the year were held in the North Central States. One-fourth of the total holdings of the United States on June 1, 1918, was stored in Chicago.

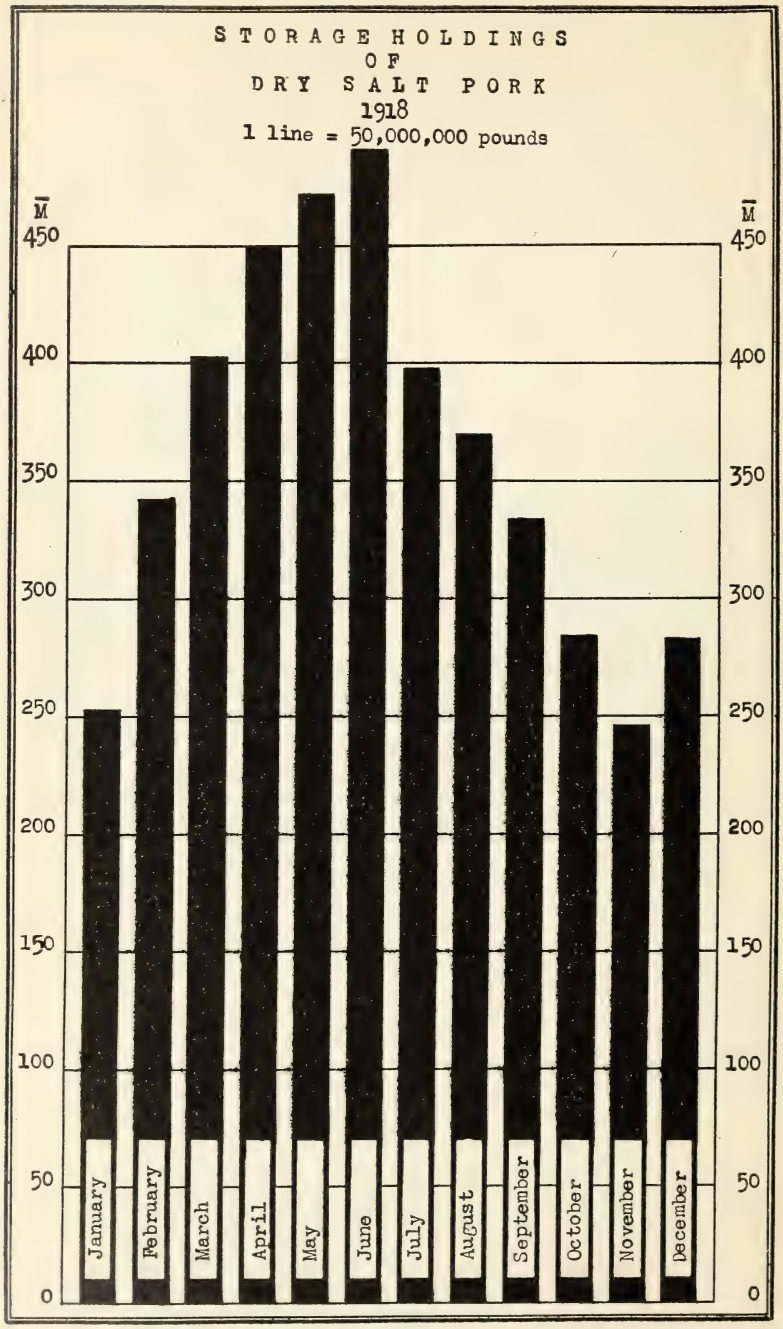
STORAGE HOLDINGS
OF
DRY SALT PORK
1918
1 line = 50,000,000 pounds
M
450
400
350
300
250
200
150
100
50
0
January
February
March
April
May
June
July
August
September
October
November
December

FIG. 10.

TABLE 14.—*Monthly storage holdings of dry salt pork during 1918, and increase or decrease during each month.*

| Month. | Holdings on first of month. | Relative percentage. | Increase or decrease during month. | |
|---|---|---|---|---|
| | *Pounds.* | *Per cent.* | *Pounds.* | *Per cent.* |
| January | 252,933,726 | 51.6 | +88,488,079 | +35.0 |
| February | 341,421,805 | 69.6 | +61,312,128 | +18.0 |
| March | 402,733,933 | 82.2 | +46,687,509 | +11.6 |
| April | 449,421,442 | 91.7 | +21,600,726 | + 4.8 |
| May | 471,022,168 | 96.1 | +19,189,137 | + 4.0 |
| June | 490,211,305 | 100.0 | −93,310,896 | −19.0 |
| July | 396,900,409 | 81.0 | −27,689,710 | − 7.0 |
| August | 369,210,699 | 75.3 | −35,663,271 | − 9.7 |
| September | 333,547,428 | 68.0 | −49,904,473 | −15.0 |
| October | 283,642,955 | 57.9 | −37,519,832 | −13.2 |
| November | 246,123,123 | 50.2 | +36,915,885 | +15.0 |
| December | 283,039,008 | 57.7 | +70,809,373 | +25.0 |

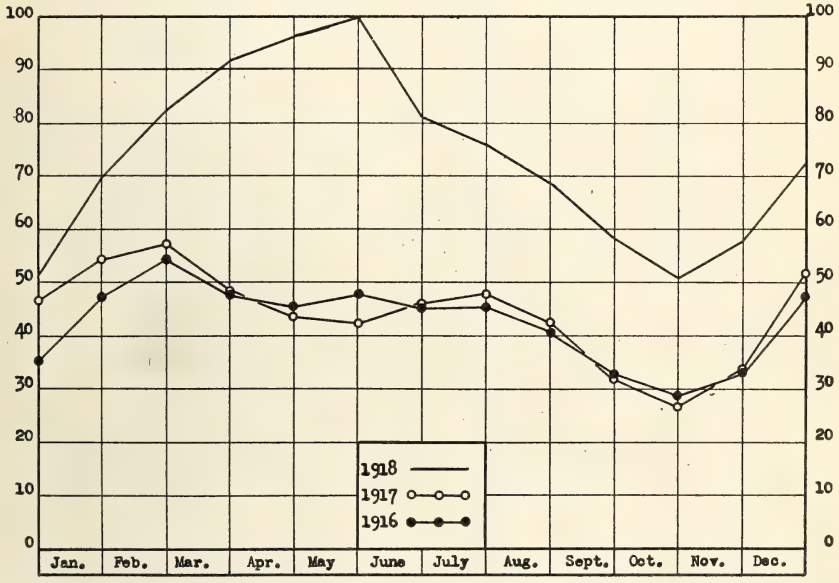


FIG. 11.—Relative monthly storage holdings of dry salt pork during 1916, 1917, and 1918. Base 100 equals holdings on June 1, 1918.

The holdings increased during the months of January to May, inclusive, then decreased until November 1. Increases again occurred during November and December. The greatest increase was in January, amounting to 88,488,079 pounds, while the largest decrease amounted to 93,310,896 pounds in June. The smallest amount reported for the year was held on November 1, the holdings of that date being approximately one-half of the June 1 holdings. Table 14 shows the monthly holdings, increases, and decreases, and figure 10 is a graphic presentation of the monthly stocks during 1918.

The holdings reported for each month during 1918 are tabulated in Table 15 together with a comparison of the stocks of each month with those of the same date in 1917. Each month's holdings greatly exceeded the quantities reported for the same month in 1917. The increase varied from about 33,000,000 pounds or 16 per cent on January 1 to 65,000,000 or 125 per cent on June 1. Figure 11 is a graphic comparison of the storage holdings and movement during the years of 1916 to 1918, inclusive. It shows very clearly the comparative uniformity of holdings and movement during 1916 and 1917 and the abnormally large stocks held during 1918. The peak load of the previous two years came on March 1, while in 1918 the stocks did not reach their highest point until June 1.

TABLE 15.—*Monthly cold storage holdings of dry salt pork during 1918 compared with those of 1917.*

| Month. | Reported for 1918. | | Comparison with 1917. | | | |
|---|---|---|---|---|---|---|
| | Storages reporting. | Holdings reported. | Storages reporting for both dates. | 1917. | 1918. | Increase or decrease. |
| | *Number.* | *Pounds.* | *Number.* | *Pounds.* | *Pounds.* | *Per cent.* |
| January | 421 | 252,633,335 | 338 | 200,998,361 | 233,087,576 | + 16.0 |
| February | 446 | 341,391,805 | 379 | 228,423,710 | 316,763,231 | + 38.7 |
| March | 466 | 402,683,433 | 401 | 259,058,920 | 381,854,062 | + 47.4 |
| April | 482 | 449,287,442 | 411 | 234,395,683 | 417,733,224 | + 78.2 |
| May | 485 | 471,092,198 | 431 | 219,818,561 | 455,908,772 | +107.4 |
| June | 480 | 490,193,305 | 436 | 213,801,699 | 481,039,210 | +125.0 |
| July | 485 | 396,170,409 | 436 | 224,812,596 | 385,181,429 | + 71.3 |
| August | 485 | 369,902,599 | 437 | 231,905,289 | 364,349,447 | + 57.1 |
| September | 478 | 333,547,428 | 432 | 195,677,363 | 330,329,390 | + 68.8 |
| October | 481 | 283,642,955 | 430 | 143,318,686 | 278,984,296 | + 94.7 |
| November | 466 | 246,848,522 | 419 | 110,652,298 | 237,270,754 | +114.4 |
| December | 449 | 282,821,332 | 413 | 150,882,126 | 277,456,636 | + 83.9 |

## PICKLED PORK.

The term pickled pork includes sweet pickled, plain brine, and barreled pork. The reports as received include meats in process of curing, in both cold storage and packing houses, as well as meats actually cured.

TABLE 16.—*Storage holdings of pickled pork as reported on May 1, 1918.*

| Section. | Reported for May 1, 1918. | | | Comparison with May 1, 1917. | | | |
|---|---|---|---|---|---|---|---|
| | Storages reporting. | Holdings reported. | Percentage of total holdings. | Storages reporting on both dates. | May 1, 1917. | May 1, 1918. | Increase or decrease. |
| | *Number.* | *Pounds.* | *Per cent.* | *Number.* | *Pounds.* | *Pounds.* | *Per cent.* |
| New England | 33 | 28,203,215 | 6.9 | 30 | 27,020,113 | 28,188,948 | + 4.3 |
| Middle Atlantic | 127 | 30,071,229 | 7.4 | 119 | 30,580,537 | 29,190,699 | − 4.5 |
| South Atlantic | 54 | 8,449,654 | 2.1 | 46 | 7,150,383 | 7,627,770 | + 6.7 |
| N. Central (east) | 151 | 165,806,233 | 40.8 | 140 | 136,865,142 | 165,416,592 | + 20.9 |
| N. Central (west) | 80 | 144,694,088 | 35.6 | 78 | 141,948,289 | 142,766,738 | + 0.6 |
| South Central | 28 | 11,606,658 | 2.9 | 25 | 19,389,320 | 11,335,068 | − 41.5 |
| Western (north) | 37 | 5,503,784 | 1.3 | 35 | 7,006,398 | 5,494,084 | − 21.6 |
| Western (south) | 42 | 12,024,986 | 3.0 | 38 | 11,275,566 | 11,668,489 | + 3.5 |
| Total | 552 | 406,359,847 | 100.0 | 511 | 381,235,748 | 401,688,388 | + 5.4 |

On May 1, 552 concerns reported total stocks of 406,359,847 pounds. It is estimated that the holdings of the two houses that did not report on that date amounted to 12,000 pounds. The concerns located in the North Central section east of the Mississippi held 40.8 per cent of the stocks of that date, and those in the North Central West section 35.6 per cent. These two sections held more than 70 per cent of the holdings of each month. Chicago concerns held 22.5 per cent of the May 1 stocks.

TABLE 17.—*Monthly storage holdings of pickled pork during 1918, and increase or decrease during each month.*

| Month. | Holdings on first of month. | Relative percentage. | Increase or decrease during month. | |
|---|---|---|---|---|
| | *Pounds.* | *Per cent.* | *Pounds.* | *Per cent.* |
| January | 269,003,222 | 66.2 | +53,001,086 | +19.7 |
| February | 322,004,308 | 79.2 | +47,009,951 | +14.6 |
| March | 369,014,259 | 90.8 | +35,301,183 | + 9.6 |
| April | 404,315,442 | 99.5 | + 2,056,405 | + 0.5 |
| May | 406,371,847 | 100.0 | − 8,088,926 | − 1.9 |
| June | 398,282,921 | 98.0 | −20,111,038 | − 5.0 |
| July | 378,171,883 | 93.1 | − 3,182,451 | − 0.8 |
| August | 374,989,432 | 92.3 | −59,570,801 | −15.9 |
| September | 315,418,631 | 77.6 | −65,606,670 | −20.8 |
| October | 249,811,961 | 61.5 | −18,061,883 | − 7.2 |
| November | 231,750,078 | 57.0 | +11,629,977 | + 5.0 |
| December | 243,380,055 | 60.0 | +58,996,612 | +24.2 |

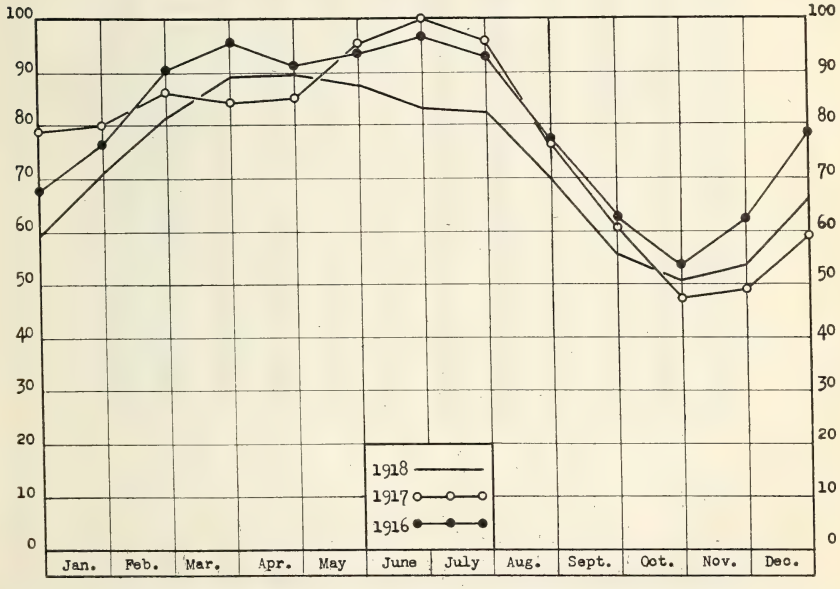


FIG. 12.—Relative monthly storage holdings of pickled pork during 1916, 1917, and 1918. Base 100 equals holdings on July 1, 1917

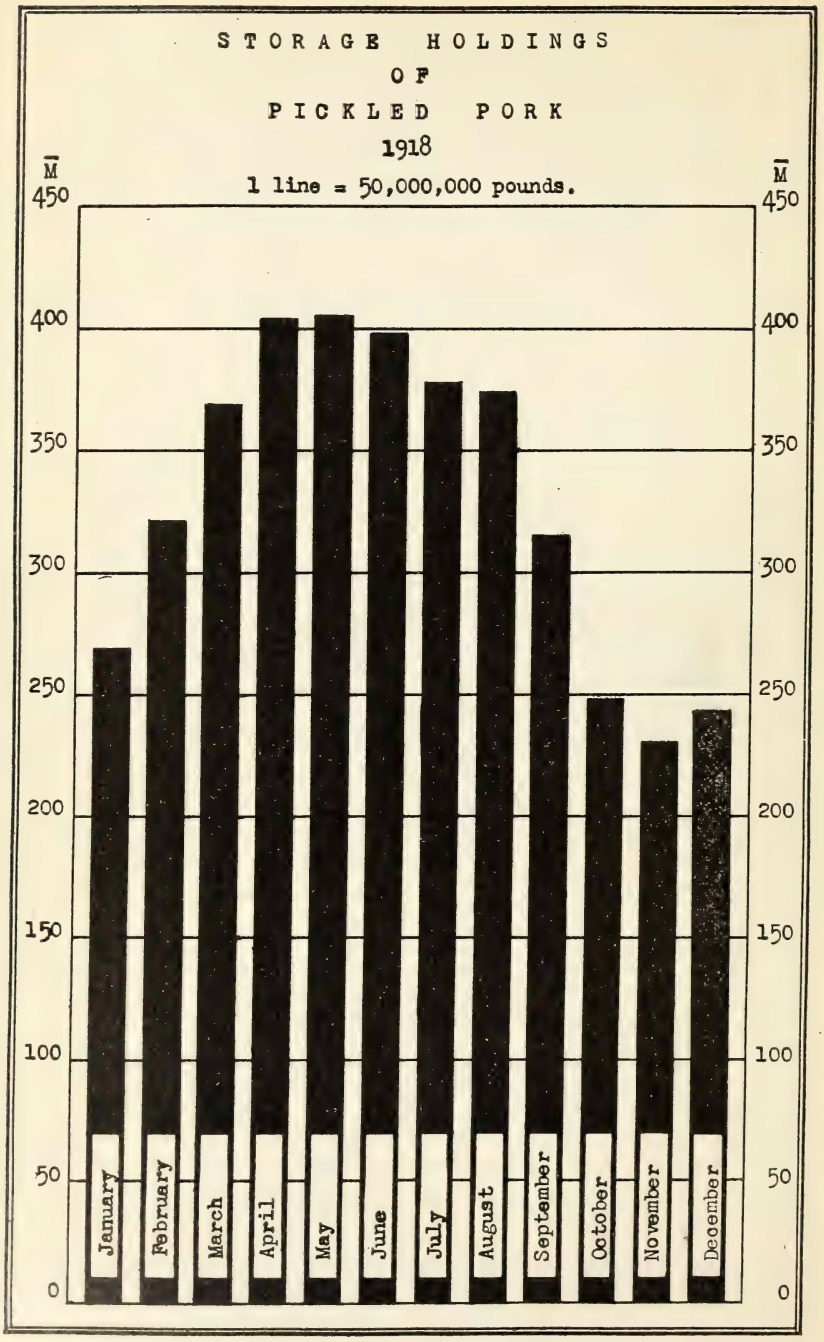
STORAGE HOLDINGS
OF
PICKLED PORK
1918
1 line = 50,000,000 pounds.
M
450
400
350
300
250
200
150
100
50
0
January
February
March
April
May
June
July
August
September
October
November
December

FIG. 13.

TABLE 18.—*Monthly storage holdings of pickled pork during 1918 compared with those of 1917.*

| Month. | Reported for 1918. | | Comparison with 1917. | | | |
|---|---|---|---|---|---|---|
| | Storages reporting. | Holdings reported. | Storages reporting for both dates. | 1917. | 1918. | Increase or decrease. |
| | *Number.* | *Pounds.* | *Number.* | *Pounds.* | *Pounds.* | *Per cent.* |
| January | 509 | 267,606,693 | 412 | 307,478,279 | 244,588,225 | −20.5 |
| February | 530 | 321,586,508 | 455 | 348,269,159 | 298,174,603 | −14.4 |
| March | 545 | 368,970,759 | 480 | 378,846,509 | 350,997,846 | − 7.4 |
| April | 562 | 403,715,442 | 499 | 362,931,415 | 378,870,909 | + 4.4 |
| May | 552 | 406,359,847 | 511 | 381,235,748 | 401,688,388 | + 5.4 |
| June | 549 | 398,335,656 | 500 | 403,185,454 | 390,849,656 | − 3.1 |
| July | 556 | 377,649,383 | 517 | 412,810,182 | 358,122,273 | −13.2 |
| August | 561 | 375,476,032 | 523 | 403,704,023 | 367,987,377 | − 8.8 |
| September | 558 | 315,381,931 | 524 | 328,943,256 | 315,268,734 | − 4.2 |
| October | 553 | 249,782,261 | 515 | 252,151,967 | 247,041,882 | − 2.0 |
| November | 539 | 232,450,830 | 497 | 192,883,562 | 225,881,961 | +17.1 |
| December | 529 | 242,926,007 | 504 | 204,906,837 | 239,690,776 | +17.0 |

The monthly holdings reported during 1918 were apparently quite normal, varying little from those reported for the previous two years. There was an increase on May 1 of 5.4 per cent over the stocks held on the same date in 1917.

The holdings of January 1, 1918, were 20.5 per cent less than in 1917, while the December 1 holdings were 17 per cent more. The increases and decreases over last year's holdings are given in Table 18 while the comparative holdings and movement for the years of 1916 to 1918, inclusive, are shown in figure 12.

The holdings increased monthly from January 1 to May 1, then decreased until November 1, when they reached the lowest point of the year. The stocks at this time were 43 per cent less than on May 1. The largest monthly increase occurred in December, amounting to 58,996,612 pounds. The largest decrease was 65,606,670 pounds during September. Figure 13 furnishes a graphic comparison of monthly stocks during 1918.

## LARD.

The lard holdings reported to the Bureau of Markets include all prime steam, kettle rendered, neutral, and other pure lard, both bulk and package. They do not include lard compounds. The information received covers the lard stored in both public and private cold storage warehouses and in packing houses.

TABLE 19.—*Storage holdings of lard as reported on July 1, 1918.*

| Section. | Reported for July 1, 1918. | | | Comparison with July 1, 1917. | | | |
|---|---|---|---|---|---|---|---|
| | Storages reporting. | Holdings reported. | Percentage of total holdings. | Storages reporting on both dates. | July 1, 1917. | July 1, 1918. | Increase or decrease. |
| | *Number.* | *Pounds.* | *Per cent.* | *Number.* | *Pounds.* | *Pounds.* | *Per cent.* |
| New England | 33 | 17,472,114 | 16.4 | 31 | 10,838,138 | 17,237,934 | + 59.0 |
| Middle Atlantic | 130 | 9,062,386 | 8.5 | 123 | 7,678,223 | 8,710,658 | + 13.4 |
| South Atlantic | 60 | 1,996,998 | 1.9 | 54 | 2,131,033 | 1,811,506 | − 15.0 |
| N. Central (east) | 166 | 41,698,657 | 39.1 | 151 | 44,685,836 | 40,832,076 | − 8.6 |
| N. Central (west) | 87 | 27,550,913 | 25.9 | 86 | 20,543,348 | 27,539,663 | + 34.1 |
| South Central | 52 | 2,210,146 | 2.1 | 48 | 2,714,231 | 2,150,045 | − 20.8 |
| Western (north) | 35 | 2,766,280 | 2.6 | 34 | 2,846,720 | 2,678,492 | − 5.9 |
| Western (south) | 45 | 3,733,462 | 3.5 | 37 | 3,759,428 | 3,539,416 | − 5.9 |
| Total | 608 | 106,490,956 | 100.0 | 564 | 95,196,957 | 104,499,790 | + 9.8 |

On July 1, 1918, 608 concerns reported total stocks of 106,490,956 pounds. All cold storages and packing houses on the list of the Bureau of Markets reported their holdings for that date. The reports of 564 concerns indicated that the holdings of that date were 9.8 per cent more than on the same date in 1917. Sixty-five per cent of the holdings of July 1 were in the North Central States and 16.4 per cent in the New England States. One-fourth of the stocks were in the city of Chicago and one-twentieth in Greater New York.

TABLE 20.—*Monthly storage holdings of lard during 1918, and increase or decrease during each month.*

| Month. | Holdings on first of month. | Relative percentage. | Increase or decrease during month. | |
|---|---|---|---|---|
| | *Pounds.* | *Per cent.* | *Pounds.* | *Per cent.* |
| January | 54,539,198 | 51.2 | + 4,771,244 | + 8.7 |
| February | 59,310,442 | 55.7 | + 6,044,811 | +10.2 |
| March | 65,355,253 | 61.4 | +24,498,566 | +37.5 |
| April | 89,853,819 | 84.4 | +13,519,583 | +15.0 |
| May | 103,373,402 | 97.1 | + 2,820,922 | +27.3 |
| June | 106,194,324 | 99.7 | + 296,632 | + 0.3 |
| July | 106,490,956 | 100.0 | − 4,695,964 | − 4.4 |
| August | 101,794,992 | 95.6 | + 2,840,569 | + 2.8 |
| September | 104,635,561 | 98.3 | −14,409,536 | −13.8 |
| October | 90,226,025 | 84.7 | −14,486,844 | −16.1 |
| November | 75,739,181 | 71.1 | + 5,931,368 | + 7.8 |
| December | 81,670,549 | 76.5 | +22,294,785 | +27.3 |

The stocks reported monthly, plus an estimate of the holdings of the unreported concerns, are tabulated in Table 20 together with the actual increases and decreases in holdings during each month. The greatest increase is shown during March and the greatest decrease during October. The smallest quantity held during the year was reported on January 1, the holdings of that date being 51.2 per cent of the July 1 holdings. After that date the lowest point reached was on November 1, which showed a decrease of 28.9 per cent from the maximum holdings on July 1.

TABLE 21.—*Monthly storage holdings of lard during 1918 compared with those of 1917.*

| Month. | Reported for 1918. | | Comparison with 1917. | | | |
|---|---|---|---|---|---|---|
| | Storages reporting. | Holdings reported. | Storages reporting for both dates. | 1917. | 1918. | Increase or decrease. |
| | *Number.* | *Pounds.* | *Number.* | *Pounds.* | *Pounds.* | *Per cent.* |
| January | 525 | 54,190,596 | 414 | 80,977,065 | 49,253,023 | −39.2 |
| February | 544 | 59,111,842 | 445 | 86,207,792 | 56,227,827 | −34.8 |
| March | 562 | 65,308,753 | 479 | 88,459,714 | 62,931,026 | −28.9 |
| April | 576 | 89,853,819 | 497 | 65,178,669 | 85,616,150 | +31.4 |
| May | 586 | 103,366,602 | 518 | 61,640,427 | 97,716,151 | +58.5 |
| June | 598 | 106,244,670 | 534 | 72,365,145 | 103,528,896 | +43.1 |
| July | 608 | 106,490,956 | 564 | 95,196,957 | 104,499,790 | + 9.8 |
| August | 602 | 101,810,092 | 543 | 112,248,614 | 98,745,935 | −12.0 |
| September | 611 | 104,619,841 | 564 | 102,171,730 | 102,658,110 | + 0.5 |
| October | 607 | 90,211,400 | 553 | 69,928,942 | 87,165,483 | +24.6 |
| November | 594 | 76,226,395 | 548 | 37,095,455 | 73,464,701 | +98.0 |
| December | 576 | 81,467,977 | 546 | 44,367,243 | 79,764,083 | +79.8 |

As shown by the curves in figure 14, representing the holdings and increases or decreases during the years of 1916 to 1918, inclusive, there does not appear to be any great regularity of movement of lard to and from storage. In 1916 the largest quantity stored at any one time during the year was reported on May 1. In 1917 the largest stocks were held on August 1, while in 1918 the peak load occurred on July 1. A comparison of the holdings of each month with those of 1917 is given in Table 21. Figure 15 illustrates the relative quantities held on the first of each month during the year.

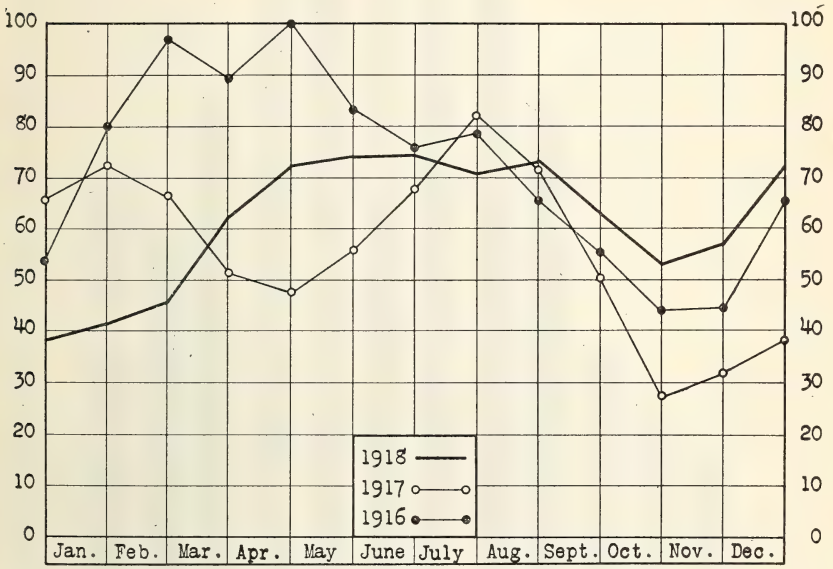


FIG. 14.—Relative monthly cold storage holdings of lard during 1916, 1917, and 1918. Base 100 equals holdings on May 1, 1916.

## REVIEW OF THE 1918 COLD STORAGE HOLDINGS OF FROZEN FISH.

The first report of the Bureau of Markets showing the holdings of frozen fish, cured herring, and mild cured salmon was issued on October 15, 1917. These reports cover 22 varieties of frozen fish, all other varieties being grouped under the heading of miscellaneous frozen fish. Among the varieties included in the miscellaneous group are albacore, bonito, burbot, catfish, eels, flounder, German and buffalo carp, horse mackerel, perch, pike, pickerel, pompano, red snapper, sheepshead, spanish mackerel, swordfish, tilefish, tuna, all kinds of salt and fresh water bass, except sea bass, and soft crabs and bay scallops.

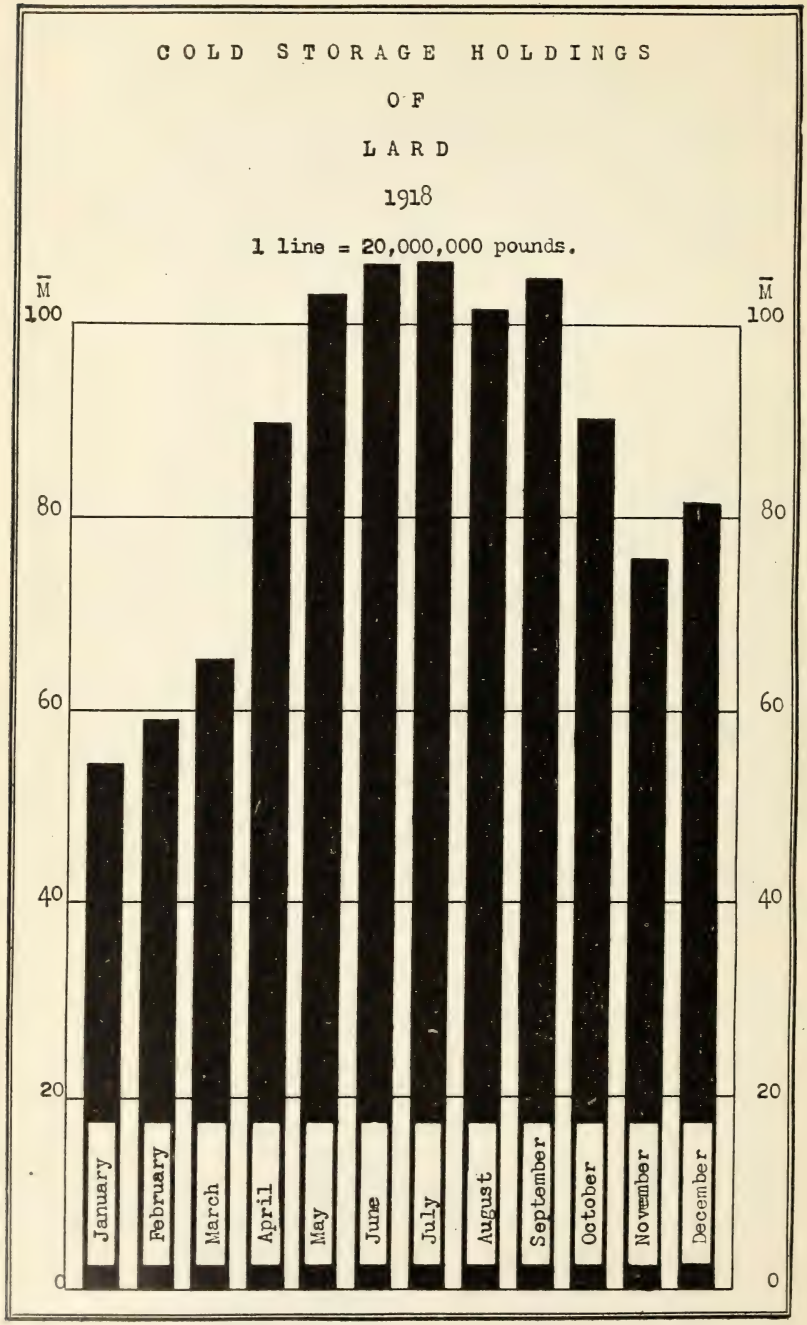
COLD STORAGE HOLDINGS
OF
LARD
1918
1 line = 20,000,000 pounds.
M
100
80
60
40
20
0
January
February
March
April
May
June
July
August
September
October
November
December

FIG. 15.

In order to relieve the congestion of the work of compilations at the first of the month, incidental to the preparation of other storage reports, and thus enable the Bureau to handle its work more economically, the reports for fish are obtained for the fifteenth of each month.

When these reports were begun, many firms did not have sufficient records to enable them to furnish exact data. For this reason the reports for the months of October to December, inclusive, are omitted from this review. However, a very accurate tabulation of the stocks for these dates is found in the tables comparing the holdings of 1918 with those of 1917.

Exceptionally complete reports have been obtained from the warehouses storing fish. Reports have been received from every firm on the list of the Bureau for every month during 1918 except that one firm failed to report its holdings for July. For several months reports from a few firms were received too late to be included in the report for that month. Their holdings are included in the revised tabulations in this bulletin.

The descriptions of the different varieties of fish quoted hereafter are selected from the report of the Bureau of the Census on Fisheries of the United States, 1908.

### BLUEFISH.

This is "a very gamy food fish found on the Atlantic and Gulf Coasts. On the coast of the New England and Middle States, it is called 'blue fish'; in Rhode Island, 'horse mackerel'; south of Cape Hatteras, 'skip jack'; in North Carolina, Virginia, and Maryland, 'tailor' and 'greenfish'; in the Gulf of Mexico, 'blue fish.' They vary in weight from 1 to 20 pounds, according to the season and locality. Large numbers are caught during the summer with nets, traps, seines, and hand lines."

On January 15, 1918, the reports to the Bureau showed stocks of 156,664 pounds. The holdings decreased until July 1, when less than 25,000 pounds remained in cold storage. There was a slight increase from July 15 to August 15, but the most of the holdings of the season were placed in cold storage between August 15 and September 15. The increase in stocks during that time amounted to 176,753 pounds. The largest quantity reported during the year was held on October 15, and amounted to a little more than 275,000 pounds. This quantity was more than 50 per cent greater than the holdings of the same date in 1917. The quantity of bluefish frozen during 1918 amounted to approximately one-third of one per cent of the total fish frozen during the year.

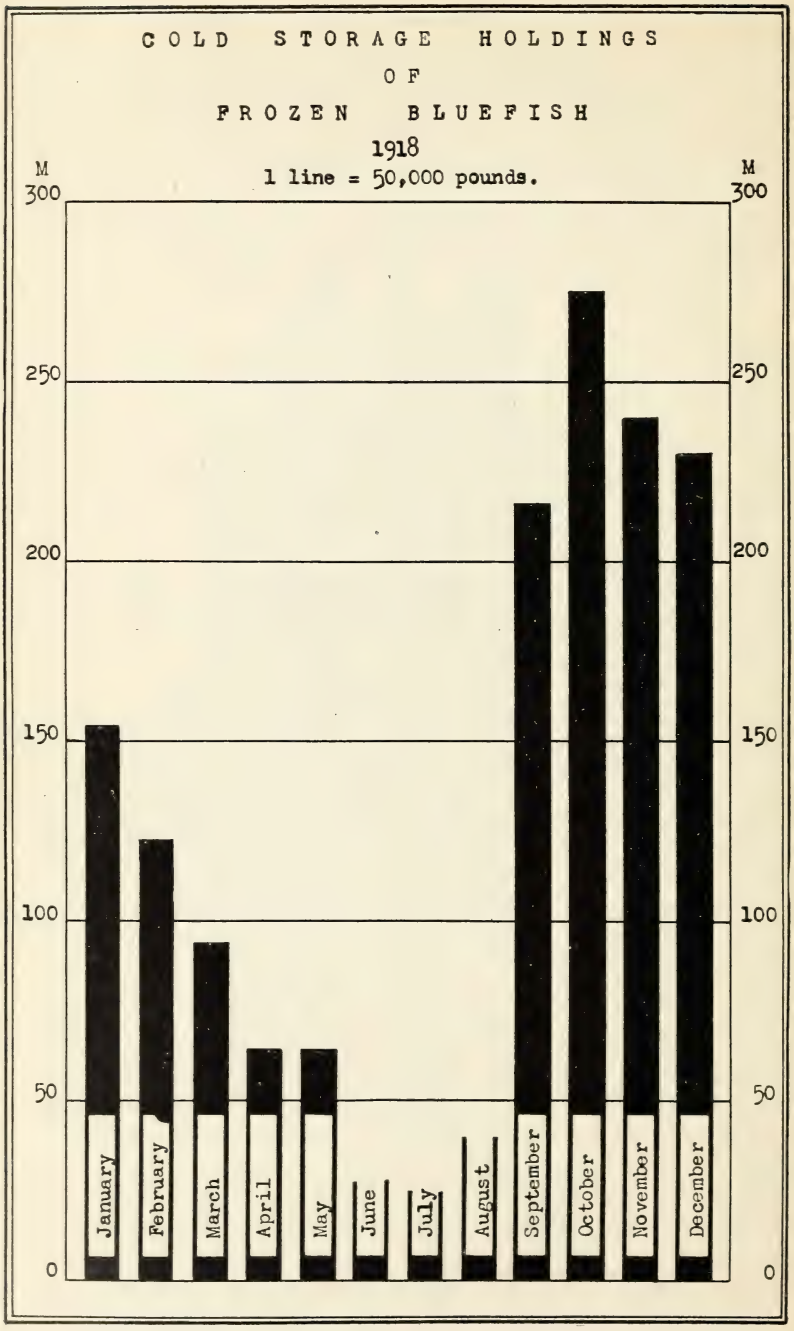
COLD STORAGE HOLDINGS
OF
FROZEN BLUEFISH
1918
1 line = 50,000 pounds.
M
300
250
200
150
100
50
0
January
February
March
April
May
June
July
August
September
October
November
December

Fig. 16.

TABLE 22.—*Monthly cold storage holdings of frozen bluefish during 1918, and increase or decrease during each month.*

| Month. | Holdings on fifteenth of month. | Relative percentage. | Increase or decrease during month. | |
|---|---|---|---|---|
| | *Pounds.* | *Per cent.* | *Pounds.* | *Per cent.* |
| January | 156,664 | 56.9 | − 34,122 | − 21.8 |
| February | 122,542 | 44.5 | − 28,532 | − 23.3 |
| March | 94,010 | 34.1 | − 29,594 | − 31.5 |
| April | 64,416 | 23.4 | + 170 | + 0.3 |
| May | 64,586 | 23.5 | − 37,183 | − 57.6 |
| June | 27,403 | 10.0 | − 2,433 | − 8.9 |
| July | 24,970 | 9.1 | + 14,362 | + 57.5 |
| August | 39,332 | 14.3 | +176,753 | +449.4 |
| September | 216,085 | 78.5 | + 59,248 | + 27.4 |
| October | 275,333 | 100.0 | − 36,110 | − 13.1 |
| November | 239,223 | 86.9 | − 9,371 | − 3.9 |
| December | 229,852 | 83.5 | + 4,582 | + 2.0 |

TABLE 23.—*Monthly cold storage holdings of frozen bluefish during 1918 compared with those of 1917.*

| Month. | Reported for 1918. | | Comparison with 1917. | | | |
|---|---|---|---|---|---|---|
| | Storages reporting. | Holdings reported on fifteenth of month. | Storages reporting for both dates. | 1917. | 1918. | Increase or decrease. |
| | *Number.* | *Pounds.* | *Number.* | *Pounds.* | *Pounds.* | *Per cent.* |
| January | 39 | 156,664 | 30 | 242,037 | 124,688 | − 48.5 |
| February | 39 | 122,542 | 30 | 15,980 | 5,356 | − 66.5 |
| March | 41 | 94,010 | 33 | 105,586 | 84,860 | − 19.6 |
| April | 37 | 64,416 | 31 | 45,516 | 59,847 | + 31.5 |
| May | 30 | 64,586 | 24 | 15,028 | 43,270 | +187.9 |
| June | 25 | 27,403 | 18 | 79,010 | 22,621 | − 71.4 |
| July | 26 | 24,970 | 21 | 124,867 | 21,929 | − 82.4 |
| August | 26 | 39,332 | 22 | 83,845 | 37,857 | − 54.8 |
| September | 27 | 216,085 | 19 | 43,451 | 166,919 | +284.2 |
| October | 35 | 275,333 | 30 | 172,732 | 265,328 | + 53.6 |
| November | 35 | 239,223 | 32 | 209,430 | 237,407 | + 13.4 |
| December | 34 | 229,852 | 33 | 175,392 | 224,852 | + 28.2 |

## BUTTERFISH.

This is "a food fish found on the Atlantic Coast from Mexico to Florida. It is called 'butterfish' in Massachusetts and New York, 'harvestfish' in New Jersey, 'dollarfish' in Maine, 'sheepshead' and 'skipjack' about Cape Cod, 'pumpkin-seed' in Connecticut, and 'starfish' at Norfolk. It has an average length of 7 to 8 inches and is caught in traps and pounds."

On January 15, 1918, the reports showed 875,585 pounds of frozen butterfish stored. These holdings were reduced to 97,113 by April 15. The holdings then increased until November 15, except for a slight decrease of a little less than 6,000 pounds from August 15 to September 15. On November 15, the holdings amounted to 1,308,423 pounds, which was 11.2 per cent less than the stocks of the same date in 1917.

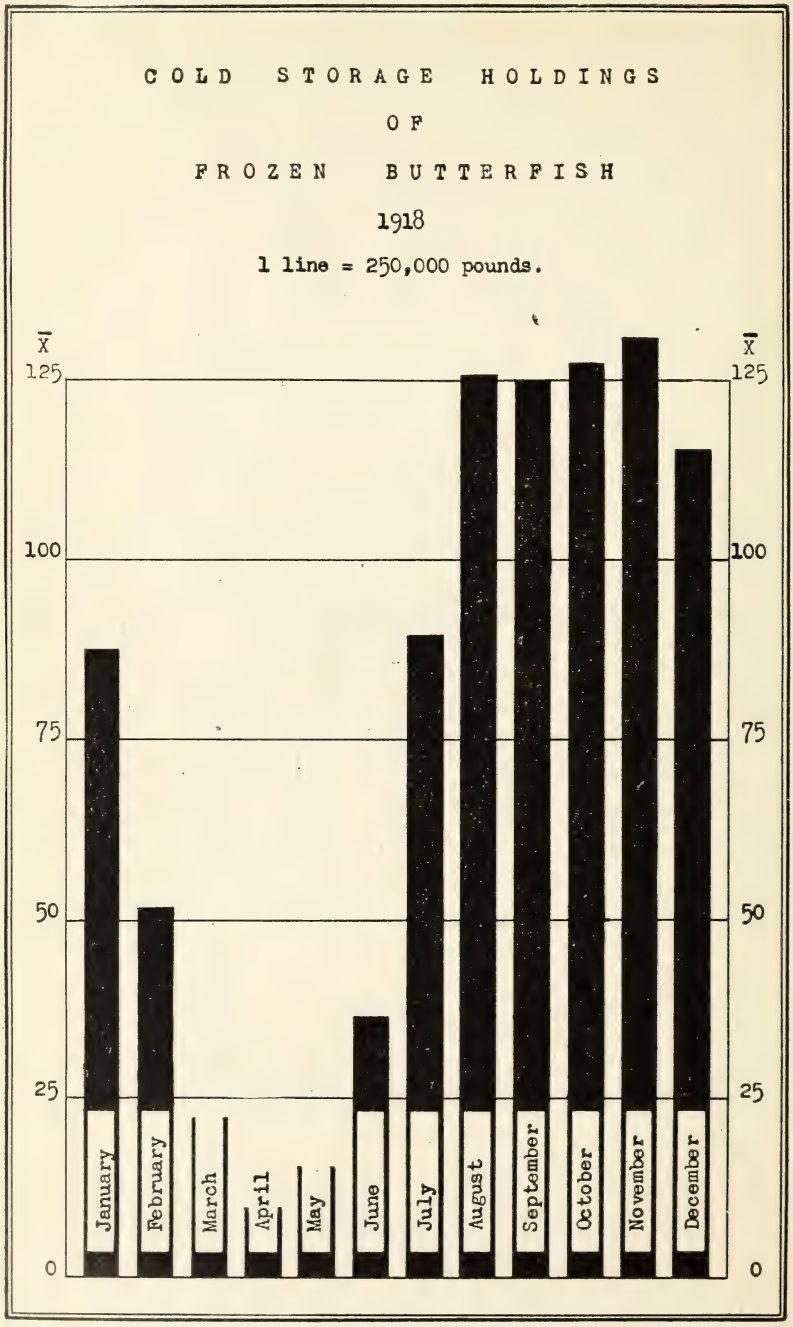
COLD STORAGE HOLDINGS
OF
FROZEN BUTTERFISH
1918
1 line = 250,000 pounds.
X
125
100
75
50
25
0
January
February
March
April
May
June
July
August
September
October
November
December

FIG. 17.

TABLE 24.—*Monthly cold storage holdings of frozen butterfish during 1918, and increase or decrease during each month.*

| Month. | Holdings on fifteenth of month. | Relative percentage. | Increase or decrease during month. | |
|---|---|---|---|---|
| | *Pounds.* | *Per cent.* | *Pounds.* | *Per cent.* |
| January | 875,585 | 66.9 | −359,725 | − 41.1 |
| February | 515,860 | 39.4 | −295,692 | − 57.3 |
| March | 220,168 | 16.8 | −123,055 | − 55.9 |
| April | 97,113 | 7.4 | + 58,577 | + 60.3 |
| May | 155,690 | 11.9 | +208,586 | +134.0 |
| June | 364,276 | 27.8 | +528,270 | +145.0 |
| July | 892,546 | 68.2 | +363,351 | + 40.7 |
| August | 1,255,897 | 96.0 | − 5,616 | − 0.4 |
| September | 1,250,281 | 95.6 | + 20,765 | + 1.7 |
| October | 1,271,046 | 97.1 | + 37,377 | + 2.9 |
| November | 1,308,423 | 100.0 | −154,366 | − 11.8 |
| December | 1,154,057 | 88.2 | −241,963 | − 21.0 |

TABLE 25.—*Monthly cold storage holdings of frozen butterfish during 1918 compared with those of 1917.*

| Month. | Reported for 1918. | | Comparison with 1917. | | | |
|---|---|---|---|---|---|---|
| | Storages reporting. | Holdings reported on fifteenth of month. | Storages reporting for both dates. | 1917. | 1918. | Increase or decrease. |
| | *Number.* | *Pounds.* | *Number.* | *Pounds.* | *Pounds.* | *Per cent.* |
| January | 48 | 875,585 | 40 | 867,268 | 596,422 | −31.2 |
| February | 49 | 515,860 | 41 | 271,259 | 112,126 | −58.7 |
| March | 51 | 220,168 | 40 | 232,270 | 158,531 | −31.7 |
| April | 50 | 97,113 | 40 | 75,665 | 66,889 | −11.6 |
| May | 34 | 155,690 | 26 | 34,054 | 62,088 | +82.3 |
| June | 21 | 364,276 | 15 | 580,132 | 113,996 | −80.3 |
| July | 28 | 892,546 | 22 | 1,087,877 | 639,344 | −41.2 |
| August | 33 | 1,255,897 | 27 | 1,166,258 | 798,355 | −31.5 |
| September | 33 | 1,250,281 | 27 | 1,142,620 | 732,324 | −35.9 |
| October | 35 | 1,271,046 | 33 | 1,419,388 | 1,083,329 | −23.7 |
| November | 38 | 1,308,423 | 37 | 1,471,552 | 1,306,723 | −11.2 |
| December | 41 | 1,154,057 | 40 | 1,126,925 | 1,153,843 | + 2.4 |

### CISCOES.

These "are one of the lesser white fishes found in the Great Lakes and neighboring waters. Other names are 'lake herring' and 'Michigan herring.' The usual length is a little more than 12 inches. It belongs to the salmon family. The name is also applied to a related species of less economic importance."

On January 15, 1918, the reports of the Bureau showed stocks of 7,291,759 pounds of frozen ciscoes in cold storage. A comparatively small number of warehouses reported their holdings for both 1918 and 1917, but their reports indicate that the stocks were 178.8 per cent greater than those of the previous year. The holdings decreased until June 15, when 1,307,078 pounds remained in cold storage. From July 15 to September 15 the holdings were increased by more than 3,000,000 pounds. An increase of 1,826,940 pounds was also shown during the period from November 15 to December 15. By December 15 the stocks amounted to 6,010,152 pounds.

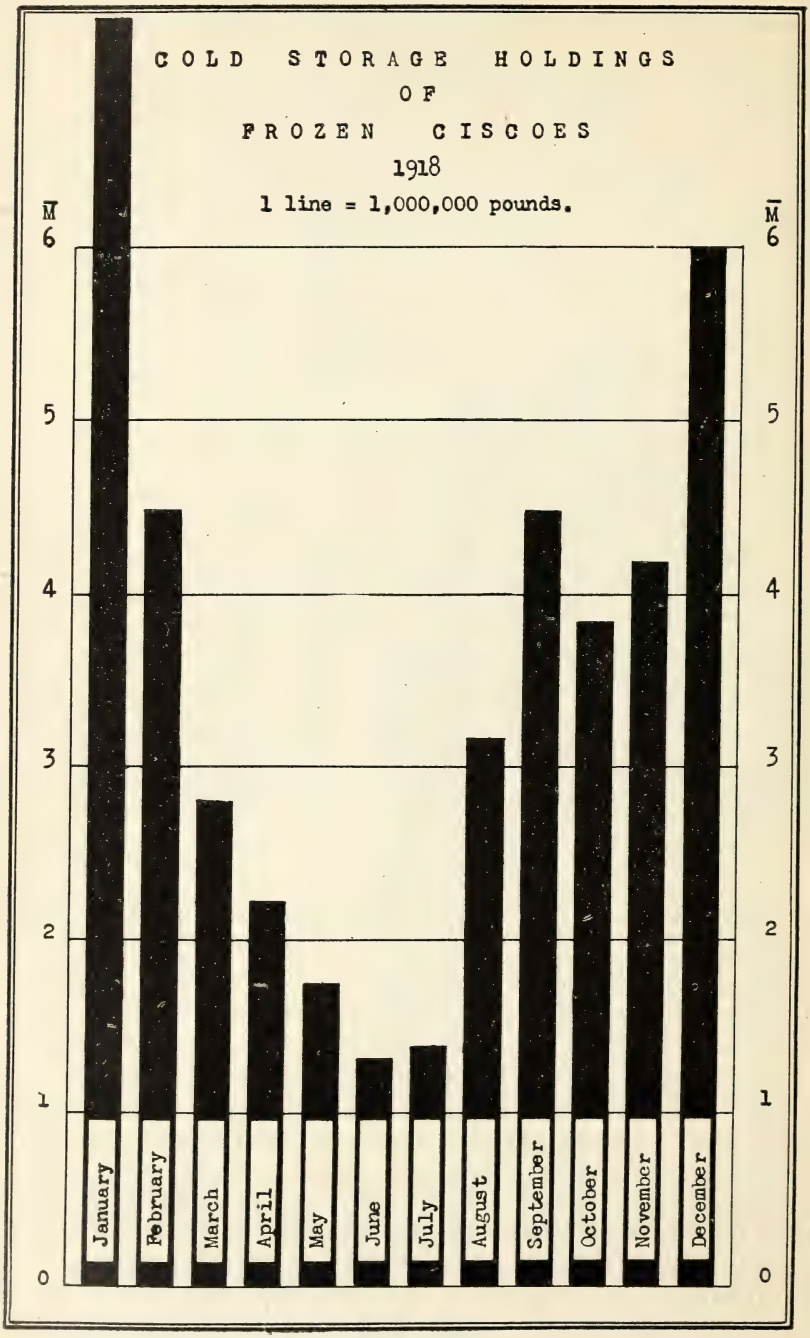
COLD STORAGE HOLDINGS
OF
FROZEN CISCOES
1918
1 line = 1,000,000 pounds.
M
6
5
4
3
2
1
0
January
February
March
April
May
June
July
August
September
October
November
December

FIG. 18.

TABLE 26.—*Monthly cold storage holdings of frozen ciscoes during 1918, and increase or decrease during each month.*

| Month. | Holdings on fifteenth of month. | Relative percentage. | Increase or decrease during month. | |
|---|---|---|---|---|
| | *Pounds.* | *Per cent.* | *Pounds.* | *Per cent.* |
| January | 7,291,759 | 100.0 | −2,812,503 | − 38.6 |
| February | 4,479,256 | 61.4 | −1,665,005 | − 37.2 |
| March | 2,814,251 | 38.6 | − 590,085 | − 21.0 |
| April | 2,224,166 | 30.5 | − 469,042 | − 21.1 |
| May | 1,755,124 | 24.1 | − 448,046 | − 25.5 |
| June | 1,307,078 | 17.9 | + 91,868 | + 7.0 |
| July | 1,398,946 | 19.2 | +1,756,855 | +125.6 |
| August | 3,155,801 | 43.3 | +1,334,688 | + 42.3 |
| September | 4,490,489 | 61.6 | − 638,014 | − 14.2 |
| October | 3,852,475 | 52.8 | + 330,737 | + 8.6 |
| November | 4,183,212 | 57.4 | +1,826,940 | + 43.7 |
| December | 6,010,152 | 82.4 | − 915,344 | − 15.2 |

TABLE 27.—*Monthly cold storage holdings of frozen ciscoes during 1918 compared with those of 1917.*

| Month. | Reported for 1918. | | Comparison with 1917. | | | |
|---|---|---|---|---|---|---|
| | Storages reporting. | Holdings reported on fifteenth of month. | Storages reporting for both dates. | 1917. | 1918. | Increase or decrease. |
| | *Number.* | *Pounds.* | *Number.* | *Pounds.* | *Pounds.* | *Per cent.* |
| January | 69 | 7,291,759 | 48 | 1,824,299 | 5,086,286 | + 178.8 |
| February | 69 | 4,479,256 | 49 | 488,827 | 1,926,919 | + 294.2 |
| March | 69 | 2,814,251 | 53 | 486,093 | 2,007,479 | + 313.0 |
| April | 63 | 2,224,166 | 51 | 228,979 | 1,488,695 | + 550.1 |
| May | 47 | 1,755,124 | 34 | 64,688 | 1,216,798 | +1781.0 |
| June | 43 | 1,307,078 | 30 | 172,992 | 770,497 | + 345.4 |
| July | 44 | 1,393,946 | 32 | 261,990 | 1,054,768 | + 302.6 |
| August | 49 | 3,155,801 | 37 | 1,018,432 | 2,699,256 | + 165.0 |
| September | 54 | 4,490,489 | 41 | 2,860,274 | 3,890,162 | + 36.0 |
| October | 54 | 3,852,475 | 46 | 4,275,436 | 3,624,374 | − 15.2 |
| November | 59 | 4,183,212 | 57 | 5,837,282 | 4,067,123 | − 30.3 |
| December | 63 | 6,010,152 | 61 | 9,455,063 | 5,917,686 | − 37.4 |

## COD, HAKE, POLLACK, HADDOCK.

The cod is "one of the most important food fishes in the United States. It is caught most extensively along the coasts of the Middle States, New England and British America. It varies in weight from 3 to 75 pounds. It is caught with hand lines, trawls, nets, etc., and is sold fresh, pickled, salted, and dried." The reports of the Bureau of Markets deal only with the quantity that is frozen. With this variety of fish the reports also include the stocks of hake, pollack, and haddock that are frozen. "The so-called hakes are not hakes, but are food fish found on the Atlantic Coast from Newfoundland to Cape Hatteras. The different species are known as 'old English hake,' 'squirrel hake,' 'white hake,' 'king hake,' 'codling,' etc. They are often prepared under the trade name of boneless fish. They average from 1½ to 2 feet in length and 3 to 8 pounds in weight, and are caught near muddy bottoms with trawls and hand lines and in weirs and traps."

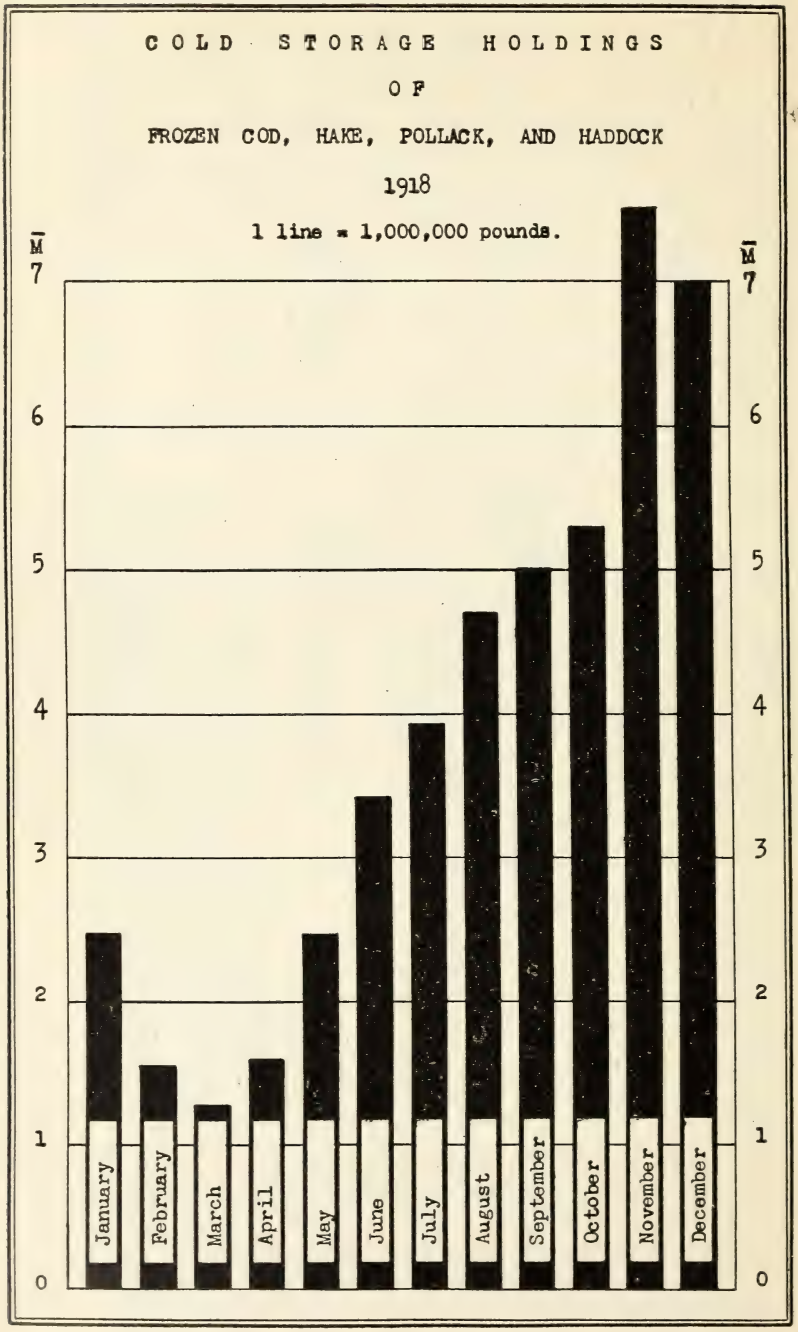
COLD STORAGE HOLDINGS
OF
FROZEN COD, HAKE, POLLACK, AND HADDOCK
1918
1 line = 1,000,000 pounds.
M
7
6
5
4
3
2
1
0
January
February
March
April
May
June
July
August
September
October
November
December

FIG. 19.

Pollack is "a food fish found mainly off the New England coast. It sometimes occurs as far south as Virginia. The average weight is about 10 pounds."

The haddock is "a food fish found in the Atlantic north of the Delaware capes and is called 'dickie' in some localities. It averages in weight from 4 to 6 pounds. It is extensively caught for a fresh food fish and is also salted, pickled, and dried. When slack-salted and smoked, it is sold under the name of 'haddie.'"

The reports received for January 15 showed stocks of 2,488,872 pounds. The holdings increased until November 15, when the reports showed holdings of 7,509,512 pounds. This was 77.3 per cent more than was held on the same date in 1917. The quantity of these varieties of fish that was frozen during 1918 amounted to more than 15 per cent of the total fish frozen during the year.

TABLE 28.—*Monthly cold storage holdings of frozen cod, hake, pollack, and haddock during 1918, and increase or decrease during each month.*

| Month. | Holdings on fifteenth of month. | Relative percentage. | Increase or decrease during month. | |
|---|---|---|---|---|
| | *Pounds.* | *Per cent.* | *Pounds.* | *Per cent.* |
| January | 2,488,872 | 33.1 | − 935,052 | −37.6 |
| February | 1,553,820 | 20.7 | − 269,216 | −17.3 |
| March | 1,284,604 | 17.1 | + 306,085 | +23.8 |
| April | 1,590,689 | 21.2 | + 859,900 | +54.1 |
| May | 2,450,589 | 32.6 | + 954,365 | +38.9 |
| June | 3,404,954 | 45.3 | + 502,747 | +14.8 |
| July | 3,907,701 | 52.0 | + 785,297 | +20.1 |
| August | 4,692,998 | 62.5 | + 321,458 | + 6.8 |
| September | 5,014,456 | 66.8 | + 279,705 | + 5.6 |
| October | 5,294,161 | 70.5 | +2,215,351 | +41.8 |
| November | 7,509,512 | 100.0 | − 504,768 | − 6.7 |
| December | 7,004,744 | 93.3 | − 385,737 | − 5.5 |

TABLE 29.—*Monthly cold storage holdings of frozen cod, hake, pollack, and haddock during 1918 compared with those of 1917.*

| Month. | Reported for 1918. | | Comparison with 1917. | | | |
|---|---|---|---|---|---|---|
| | Storages reporting. | Holdings reported on fifteenth of month. | Storages reporting for both dates. | 1917. | 1918. | Increase or decrease. |
| | *Number.* | *Pounds.* | *Number.* | *Pounds.* | *Pounds.* | *Per cent.* |
| January | 89 | 2,488,872 | 71 | 1,189,234 | 1,815,041 | + 52.6 |
| February | 101 | 1,553,820 | 80 | 556,647 | 639,757 | + 14.9 |
| March | 105 | 1,284,604 | 85 | 482,010 | 780,898 | + 62.0 |
| April | 107 | 1,590,689 | 88 | 666,334 | 1,279,577 | + 92.0 |
| May | 85 | 2,450,589 | 71 | 1,104,220 | 2,074,973 | + 87.9 |
| June | 84 | 3,404,954 | 70 | 1,993,803 | 2,553,971 | + 28.1 |
| July | 91 | 3,907,701 | 75 | 2,292,478 | 3,286,513 | + 43.4 |
| August | 94 | 4,692,998 | 78 | 1,373,992 | 3,978,977 | +189.6 |
| September | 90 | 5,014,456 | 72 | 1,826,221 | 4,253,596 | +132.9 |
| October | 91 | 5,294,161 | 83 | 2,972,331 | 4,958,035 | + 66.8 |
| November | 99 | 7,509,512 | 94 | 3,778,260 | 6,700,370 | + 77.3 |
| December | 105 | 7,004,744 | 102 | 4,503,718 | 6,666,832 | + 48.0 |

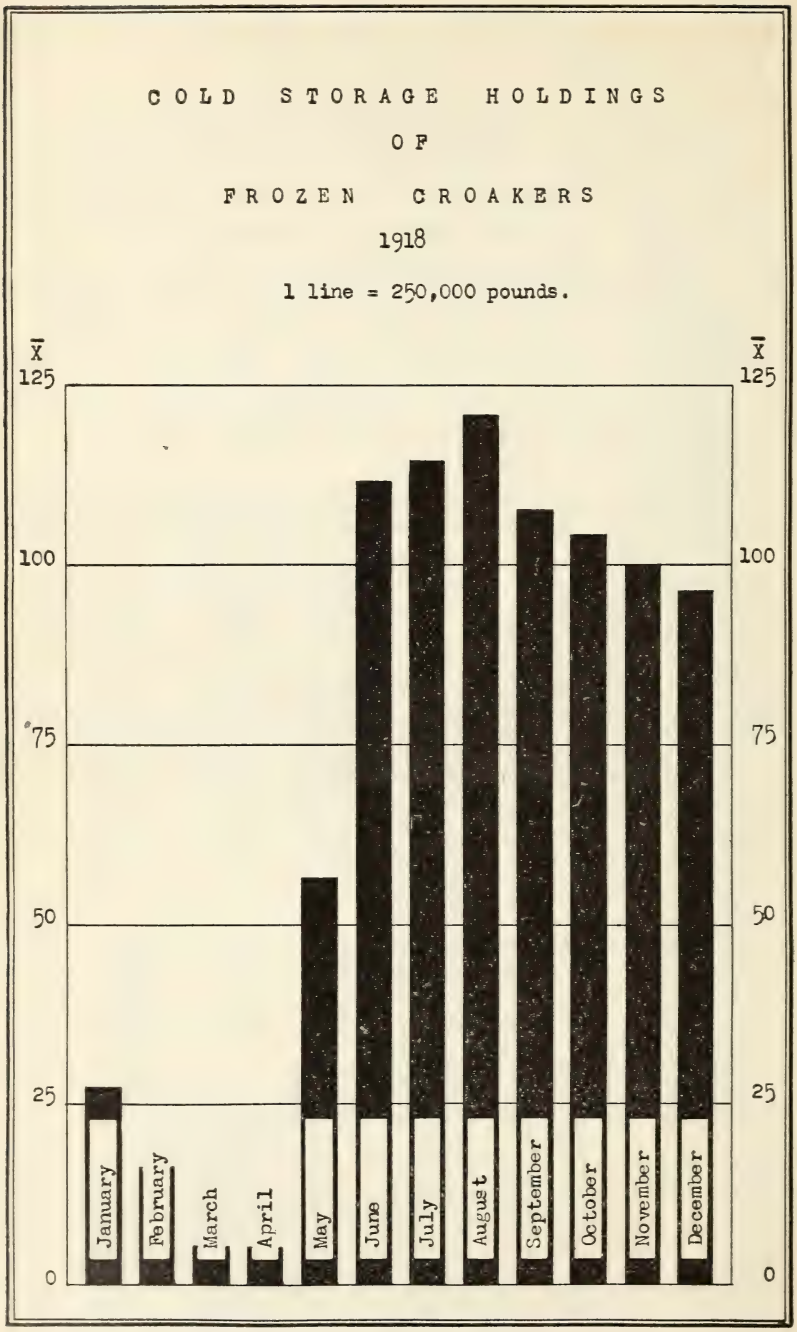
COLD STORAGE HOLDINGS
OF
FROZEN CROAKERS
1918
1 line = 250,000 pounds.
X
125
100
75
50
25
0
January
February
March
April
May
June
July
August
September
October
November
December

FIG. 20.

### CROAKERS.

This is "a food fish found mostly in the South, but sometimes caught as far north as New York. Local names are 'crocus' and 'ronco.' It averages about 10 inches in length. Large quantities are caught in the Gulf with hand lines and seines."

On January 15, 1918, there were 274,333 pounds of frozen croakers in cold storage. The holdings decreased until April 15 and amounted to a little more than 50,000 pounds on that date. From the fifteenth of April to the fifteenth of June the holdings increased 1,064,909 pounds and by August 15 there were 1,209,305 pounds on hand. The stocks gradually decreased for the rest of the year. The holdings of August 15 were 64.5 per cent greater than on the same date in 1917.

TABLE 30.—*Monthly cold storage holdings of frozen croakers during 1918, and increase or decrease during each month.*

| Month. | Holdings on fifteenth of month. | Relative percentage. | Increase or decrease during month. | |
|---|---|---|---|---|
| | *Pounds.* | *Per cent.* | *Pounds.* | *Per cent.* |
| January | 274,333 | 22.7 | −112,498 | − 41.0 |
| February | 161,835 | 13.4 | −105,411 | − 65.1 |
| March | 56,424 | 4.7 | − 5,278 | − 9.4 |
| April | 51,146 | 4.2 | +517,819 | +1012.4 |
| May | 568,965 | 47.0 | +547,090 | + 96.2 |
| June | 1,116,055 | 92.3 | + 27,067 | + 2.4 |
| July | 1,143,122 | 94.5 | + 66,183 | + 5.8 |
| August | 1,209,305 | 100.0 | −129,443 | − 10.7 |
| September | 1,079,862 | 89.3 | − 37,155 | − 3.4 |
| October | 1,042,707 | 86.2 | − 36,669 | − 3.5 |
| November | 1,006,038 | 83.2 | − 42,200 | − 4.2 |
| December | 963,838 | 79.7 | −245,138 | − 25.4 |

TABLE 31.—*Monthly cold storage holdings of frozen croakers during 1918 compared with those of 1917.*

| Month. | Reported for 1918. | | Comparison with 1917. | | | |
|---|---|---|---|---|---|---|
| | Storages reporting. | Holdings reported on fifteenth of month. | Storages reporting for both dates. | 1917. | 1918. | Increase or decrease. |
| | *Number.* | *Pounds.* | *Number.* | *Pounds.* | *Pounds.* | *Per cent.* |
| January | 23 | 274,333 | 18 | 213,356 | 139,917 | − 34.4 |
| February | 23 | 161,835 | 17 | 90,967 | 68,533 | − 24.7 |
| March | 24 | 56,424 | 17 | 12,703 | 44,868 | +253.2 |
| April | 20 | 51,146 | 14 | 17,556 | 26,568 | + 51.3 |
| May | 21 | 568,965 | 16 | 173,749 | 247,855 | + 42.7 |
| June | 19 | 1,116,055 | 13 | 174,793 | 484,348 | +177.1 |
| July | 20 | 1,143,122 | 15 | 164,634 | 517,939 | +214.6 |
| August | 22 | 1,209,305 | 17 | 324,652 | 534,002 | + 64.5 |
| September | 21 | 1,079,862 | 17 | 218,120 | 481,529 | +120.8 |
| October | 19 | 1,042,707 | 16 | 330,175 | 775,590 | +134.9 |
| November | 20 | 1,006,038 | 18 | 517,761 | 981,695 | + 89.6 |
| December | 22 | 963,838 | 22 | 425,660 | 963,838 | +126.4 |

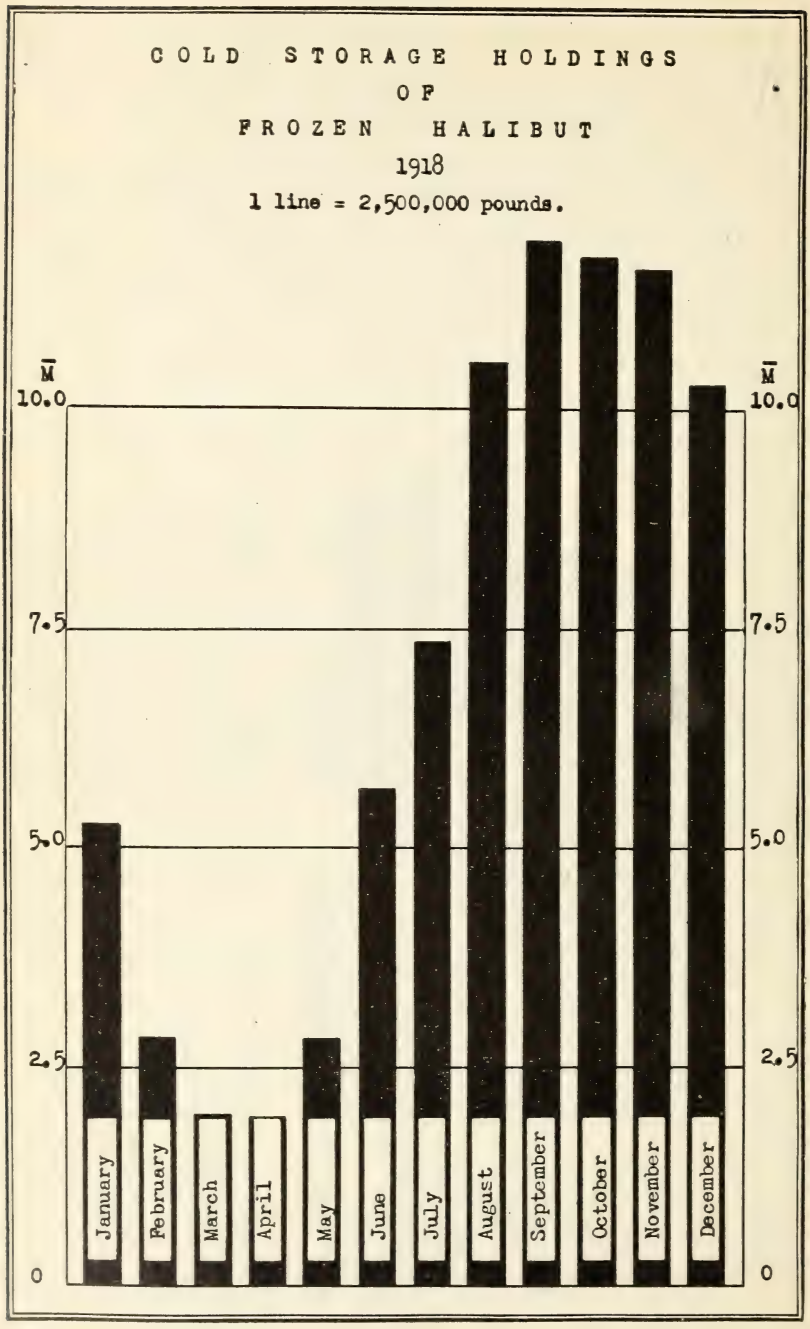
COLD STORAGE HOLDINGS
OF
FROZEN HALIBUT
1918
1 line = 2,500,000 pounds.
M
10.0
7.5
5.0
2.5
0
January
February
March
April
May
June
July
August
September
October
November
December

FIG. 21.

### HALIBUT.

This is "the largest and most valuable of the flat fishes and is found both in the North Atlantic and Pacific Oceans. It is one of the largest species used for food, sometimes weighing over 300 pounds. The average weight is from 50 to 75 pounds. It is caught with trawls and hand lines. There are three grades of halibut, the 'white,' which has its underside immaculate, is considered the best and brings the highest price; the 'gray' is blotched on the underside and sells for a third less; the 'sour' is tainted and brings only about a fourth as much as the 'white.' Small young fish weighing from 10 to 20 pounds are called 'chickens' and are greatly sought after by epicures."

On January 1, 1918, the stocks of frozen halibut amounted to 5,293,936 pounds and the holdings decreased to a little less than 2,000,000 pounds on April 15. The holdings then increased until September 15, when 11,946,117 pounds were reported. This amount was approximately 36.5 per cent more than the quantity stored the previous year.

TABLE 32.—*Monthly cold storage holdings of frozen halibut during 1918, and increase or decrease during each month.*

| Month. | Holdings on fifteenth of month. | Relative percentage. | Increase or decrease during month. | |
|---|---|---|---|---|
| | *Pounds.* | *Per cent.* | *Pounds.* | *Per cent.* |
| January | 5,293,936 | 44.3 | −2,444,298 | − 46.2 |
| February | 2,849,638 | 23.9 | − 876,641 | − 30.8 |
| March | 1,972,997 | 16.5 | − 39,141 | − 2.0 |
| April | 1,933,856 | 16.2 | + 895,455 | + 46.3 |
| May | 2,829,311 | 23.7 | +2,855,510 | +100.9 |
| June | 5,684,821 | 47.6 | +1,686,841 | + 29.7 |
| July | 7,371,662 | 61.7 | +3,165,205 | + 42.9 |
| August | 10,536,867 | 88.2 | +1,409,250 | + 13.4 |
| September | 11,946,117 | 100.0 | − 216,345 | − 1.8 |
| October | 11,729,772 | 98.2 | − 127,396 | − 1.1 |
| November | 11,602,376 | 97.1 | −1,301,675 | − 11.2 |
| December | 10,300,701 | 86.2 | −2,409,360 | − 23.4 |

TABLE 33.—*Monthly cold storage holdings of frozen halibut during 1918 compared with those of 1917.*

| Month. | Reported for 1918. | | Comparison with 1917. | | | |
|---|---|---|---|---|---|---|
| | Storages reporting. | Holdings reported on fifteenth of month. | Storages reporting for both dates. | 1917. | 1918. | Increase or decrease. |
| | *Number.* | *Pounds.* | *Number.* | *Pounds.* | *Pounds.* | *Per cent.* |
| January | 105 | 5,293,936 | 85 | 4,118,337 | 4,086,373 | − 0.8 |
| February | 110 | 2,849,638 | 87 | 1,144,144 | 1,872,553 | +63.7 |
| March | 113 | 1,972,997 | 89 | 1,003,764 | 1,000,077 | − 0.4 |
| April | 109 | 1,933,856 | 89 | 1,156,983 | 1,195,219 | + 3.3 |
| May | 90 | 2,829,311 | 72 | 2,458,513 | 2,363,115 | − 3.9 |
| June | 79 | 5,684,821 | 59 | 3,535,529 | 5,183,009 | +46.6 |
| July | 81 | 7,371,662 | 62 | 4,611,518 | 5,707,822 | +23.8 |
| August | 87 | 10,536,867 | 68 | 5,971,371 | 7,958,357 | +33.3 |
| September | 78 | 11,946,117 | 60 | 6,749,648 | 9,213,890 | +36.5 |
| October | 82 | 11,729,772 | 70 | 6,792,095 | 9,141,854 | +34.6 |
| November | 88 | 11,602,376 | 80 | 8,544,995 | 10,973,624 | +28.4 |
| December | 97 | 10,300,701 | 93 | 6,409,143 | 9,919,130 | +54.8 |

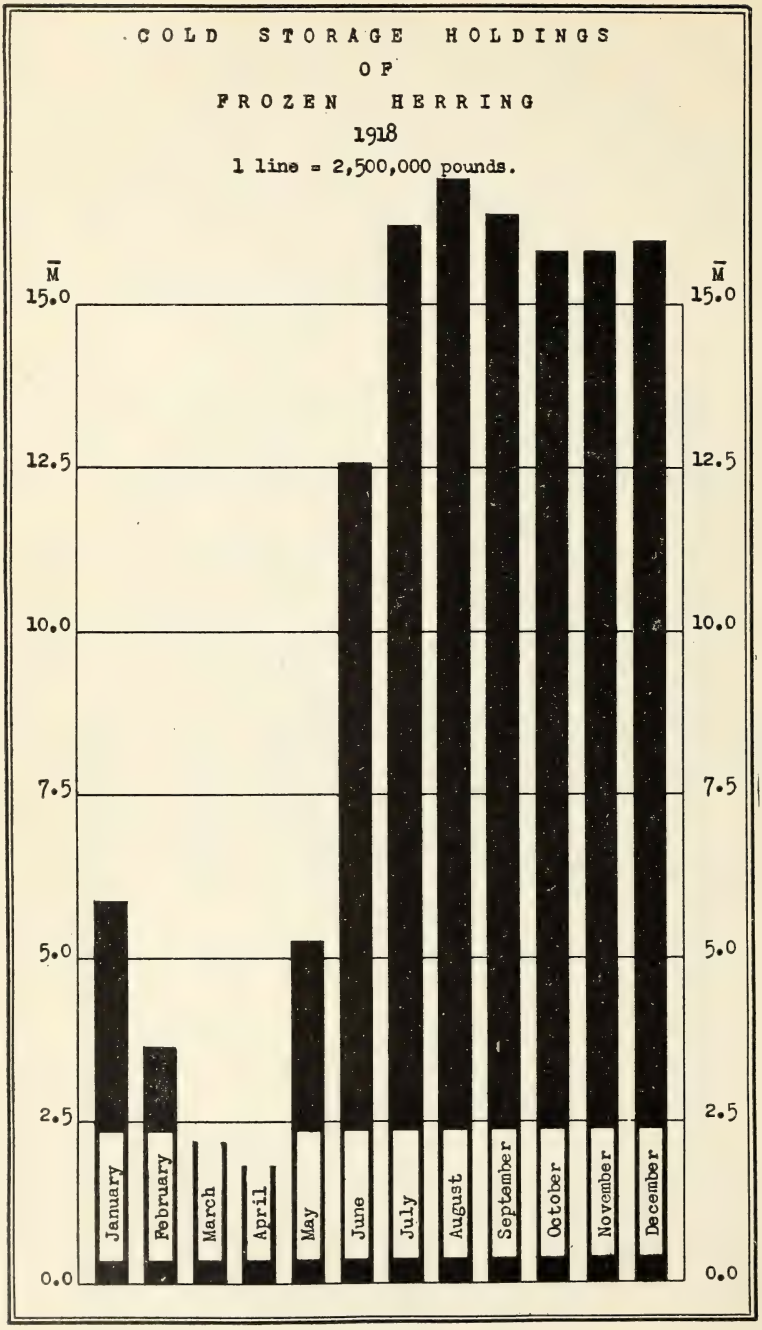
COLD STORAGE HOLDINGS
OF
FROZEN HERRING
1918
1 line = 2,500,000 pounds.
M
15.0
12.5
10.0
7.5
5.0
2.5
0.0
January
February
March
April
May
June
July
August
September
October
November
December

FIG. 22.

## HERRING.

This is "a very important food fish found in the North Atlantic as far south as Sandy Hook. It is never found in brackish or fresh water. 'Sperling' or 'brit' denote the differences in the age of the fish. They weigh from one-half to one pound, the average length being 10 inches. They are caught in pounds, traps, weirs, and gill nets, and by 'torching.' As a food fish they are used fresh, salted, pickled, smoked, and canned. They are also used extensively for bait in the cod, haddock, halibut, and hake fisheries."

With the herring are included alewives and bluebacks. The alewives "are found in waters adjacent to the sea. They are known along the Potomac as 'branch herring'; on the Albemarle, the 'big-eyed' and 'wall-eyed' herring; in North Carolina, the 'alewife'; and in Connecticut as 'ellwife' and 'ellwhop.' It appears in the rivers three or four weeks earlier than the 'glut herring' or the shad. Another species known as alewives is found from the Carolinas to the Gulf of Mexico. It is known in the Chesapeake Bay and the Albemarle Sound as 'glut herring'; in the Ogeechee River as 'English herring'; in the St. Johns River as 'herring'; and in Massachusetts and during later runs in the Rappahannock as the 'blueback.' It is also known as 'black-belly,' 'saw-belly,' and 'kyack.' It is less abundant than the other species and much less valuable as a food fish. Both species average about one-half pound in weight and 8 to 10 inches in length. They are caught in nets, seines, weirs, etc., and are of very great importance as a food fish."

The monthly reports from January 1 to April, inclusive, showed very small stocks of the frozen herring, varying from almost 6,000,000 pounds on January 15 to less than 2,000,000 on April 15. The greatest increase occurred from April 15 to July 15, amounting to more than 14,000,000 pounds. By August 15 there were 16,896,289 pounds frozen and in cold storage, which amount was almost one and one-half times greater than on the same date of the previous year. By December 15 the holdings had decreased only slightly and amounted to almost 16,000,000 pounds.

TABLE 34.—*Monthly cold storage holdings of frozen herring during 1918, and increase or decrease during each month.*

| Month. | Holdings on fifteenth of month. | Relative percentage. | Increase or decrease during month. | |
|---|---|---|---|---|
| | *Pounds.* | *Per cent.* | *Pounds.* | *Per cent.* |
| January | 5,891,359 | 34.9 | −2,276,179 | − 38.6 |
| February | 3,615,180 | 21.4 | −1,430,475 | − 39.6 |
| March | 2,184,705 | 12.9 | − 373,622 | − 17.1 |
| April | 1,811,083 | 10.7 | +3,428,890 | +189.3 |
| May | 5,239,973 | 31.0 | +7,295,186 | +139.2 |
| June | 12,535,159 | 74.2 | +3,640,665 | + 29.0 |
| July | 16,175,824 | 95.7 | + 720,465 | + 4.5 |
| August | 16,896,289 | 100.0 | − 560,920 | − 3.3 |
| September | 16,335,369 | 96.7 | − 549,432 | − 3.4 |
| October | 15,785,937 | 93.4 | − 1,363 | − 0.009 |
| November | 15,784,574 | 93.4 | + 145,177 | + 0.9 |
| December | 15,929,751 | 94.3 | −3,129,653 | − 19.6 |

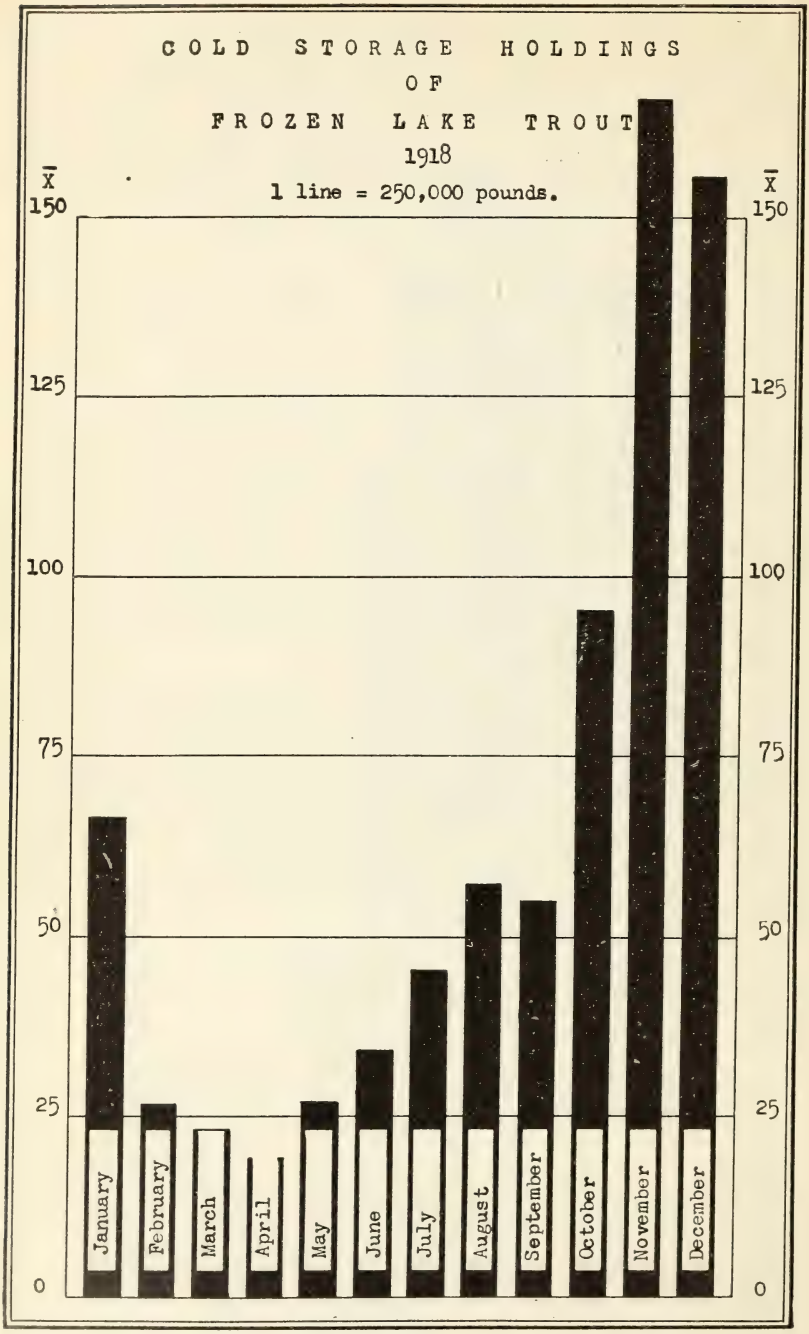
COLD STORAGE HOLDINGS
OF
FROZEN LAKE TROUT
1918
1 line = 250,000 pounds.
X̄
150
125
100
75
50
25
0
January
February
March
April
May
June
July
August
September
October
November
December

FIG. 23.

TABLE 35.—*Monthly cold storage holdings of frozen herring during 1918 compared with those of 1917.*

| Month. | Reported for 1918. | | Comparison with 1917. | | | |
|---|---|---|---|---|---|---|
| | Storages reporting. | Holdings reported on fifteenth of month. | Storages reporting for both dates. | 1917. | 1918. | Increase or decrease. |
| | *Number.* | *Pounds.* | *Number.* | *Pounds.* | *Pounds.* | *Per cent.* |
| January | 106 | 5,891,359 | 85 | 6,749,138 | 5,035,037 | − 25.4 |
| February | 111 | 3,615,180 | 87 | 3,293,540 | 2,357,386 | − 28.4 |
| March | 114 | 2,184,705 | 91 | 1,892,239 | 1,771,838 | − 6.4 |
| April | 108 | 1,811,083 | 92 | 1,160,329 | 1,450,814 | + 25.0 |
| May | 91 | 5,239,973 | 74 | 3,689,386 | 4,987,126 | + 35.2 |
| June | 81 | 12,535,159 | 63 | 5,901,584 | 12,196,421 | +106.7 |
| July | 86 | 16,175,824 | 69 | 6,629,423 | 15,660,226 | +136.2 |
| August | 84 | 16,896,289 | 68 | 6,231,331 | 15,383,918 | +146.9 |
| September | 76 | 16,335,369 | 61 | 5,955,136 | 14,082,451 | +136.5 |
| October | 78 | 15,785,937 | 72 | 7,456,256 | 15,582,462 | +109.0 |
| November | 84 | 15,784,574 | 81 | 7,427,127 | 16,063,135 | +116.3 |
| December | 89 | 15,929,751 | 86 | 7,848,532 | 15,288,351 | + 94.8 |

## LAKE TROUT.

"The trout is found in the Great Lakes and in the smaller lakes of the Northern States. In different localities the individuals vary greatly in color, size and shape, and are known by the local names 'salmon trout,' 'namaycush,' 'togue,' 'tuladi,' 'Mackinaw trout,' 'lake salmon,' 'black trout,' 'reef trout,' 'longe,' etc. The 'siscowet' is another variety of this species."

On January 15, 1918, 666,706 pounds of the lake trout still remained in cold storage from the catch of the previous season. The stocks declined until April 15, when less than 200,000 pounds remained. The holdings then increased monthly, except for a slight decrease between August 15 and September 15, until November 15, when reports showed 1,660,112 pounds. This was 28.3 per cent more than was stored on the same date in 1917.

TABLE 36.—*Monthly cold storage holdings of frozen lake trout during 1918, and increase or decrease during each month.*

| Month. | Holdings on fifteenth of month. | Relative percentage. | Increase or decrease during month. | |
|---|---|---|---|---|
| | *Pounds.* | *Per cent.* | *Pounds.* | *Per cent.* |
| January | 666,706 | 40.2 | −396,327 | −59.4 |
| February | 270,379 | 16.3 | − 38,705 | −14.3 |
| March | 231,674 | 14.0 | − 35,196 | −15.2 |
| April | 196,478 | 11.8 | + 72,907 | +37.1 |
| May | 269,385 | 16.2 | + 73,034 | +27.1 |
| June | 342,419 | 20.6 | +109,618 | +32.0 |
| July | 452,037 | 27.2 | +121,078 | +26.8 |
| August | 573,115 | 34.5 | − 22,227 | − 3.9 |
| September | 550,888 | 33.2 | +400,758 | +72.7 |
| October | 951,646 | 57.3 | +708,466 | +74.4 |
| November | 1,660,112 | 100.0 | −108,847 | − 6.6 |
| December | 1,551,265 | 93.4 | −350,485 | −22.6 |

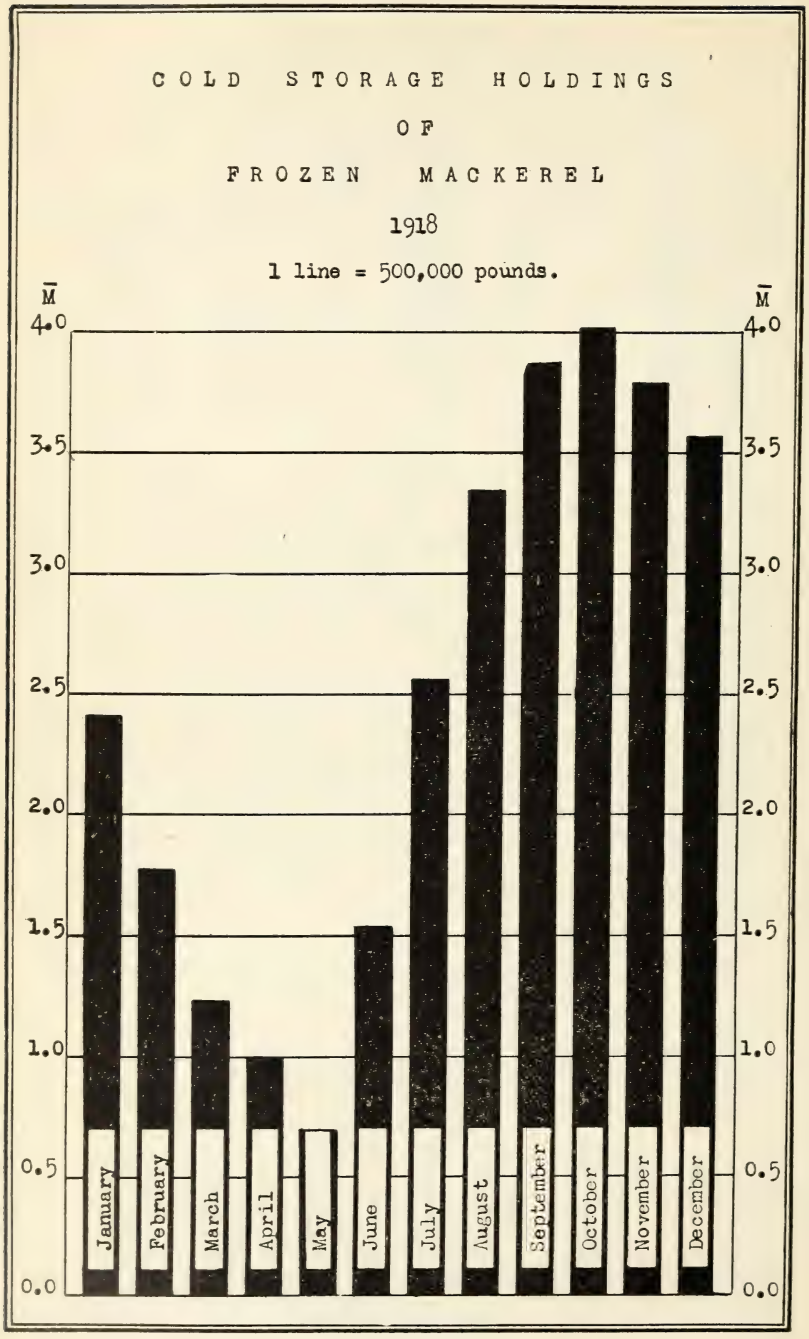
COLD STORAGE HOLDINGS
OF
FROZEN MACKEREL
1918
1 line = 500,000 pounds.
M
4.0
3.5
3.0
2.5
2.0
1.5
1.0
0.5
0.0
January
February
March
April
May
June
July
August
September
October
November
December

FIG. 24.

TABLE 37.—*Monthly cold storage holdings of frozen lake trout during 1918 compared with those of 1917.*

| Month. | Reported for 1918. | | Comparison with 1917. | | | |
|---|---|---|---|---|---|---|
| | Storages reporting. | Holdings reported on fifteenth of month. | Storages reporting for both dates. | 1917. | 1918. | Increase or decrease. |
| | *Number.* | *Pounds.* | *Number.* | *Pounds.* | *Pounds.* | *Per cent.* |
| January | 59 | 666,706 | 48 | 392,008 | 275,674 | − 29.7 |
| February | 65 | 270,379 | 49 | 152,750 | 106,707 | − 30.1 |
| March | 68 | 231,674 | 53 | 80,276 | 135,852 | + 69.2 |
| April | 65 | 196,478 | 53 | 43,403 | 95,662 | +120.4 |
| May | 44 | 269,385 | 35 | 120,386 | 153,511 | + 27.5 |
| June | 44 | 342,419 | 36 | 138,804 | 182,030 | + 31.1 |
| July | 51 | 452,037 | 43 | 195,618 | 255,119 | + 30.4 |
| August | 54 | 573,115 | 46 | 218,329 | 288,822 | + 32.3 |
| September | 48 | 550,888 | 39 | 202,220 | 233,170 | + 15.3 |
| October | 52 | 951,646 | 47 | 482,396 | 937,249 | + 94.3 |
| November | 59 | 1,660,112 | 58 | 1,291,734 | 1,657,789 | + 28.3 |
| December | 62 | 1,551,265 | 61 | 1,049,841 | 1,551,265 | + 47.8 |

## MACKEREL.

The mackerel is "a very important food fish found in the North Atlantic south of Cape Hatteras. They range from 9 to 18 inches in length and one-half to 3 pounds in weight. They are sold fresh, salted, pickled, and canned and are sometimes used for bait." Spanish mackerel are not included in this classification in the report of the Bureau of Markets.

The stocks of frozen mackerel in cold storage on January 15 amounted to 2,414,186 pounds. The holdings decreased until May 15, when less than 700,000 pounds were held. The largest decrease occurred from January 15 to February 15 and amounted to 635,691 pounds. The stocks increased from May 15 to October 15, the greatest increase occurring between June 15 and July 15, during which time more than 1,000,000 pounds were frozen. On October 15 the stocks amounted to 4,114,564 pounds, a decrease of almost 2 per cent from the holdings of October 15, 1917. The stocks decreased more than 500,000 pounds from October 15 to December 15, but increased slightly after that date.

TABLE 38.—*Monthly cold storage holdings of frozen mackerel during 1918, and increase or decrease during each month.*

| Month. | Holdings on fifteenth of month. | Relative percentage. | Increase or decrease during month. | |
|---|---|---|---|---|
| | *Pounds.* | *Per cent.* | *Pounds.* | *Per cent.* |
| January | 2,414,186 | 58.7 | − 635,691 | − 26.3 |
| February | 1,778,495 | 43.2 | − 548,045 | − 30.8 |
| March | 1,230,450 | 29.9 | − 228,713 | − 18.6 |
| April | 1,001,737 | 24.3 | − 305,083 | − 30.5 |
| May | 696,654 | 16.9 | + 835,568 | +119.9 |
| June | 1,532,222 | 37.2 | +1,026,433 | + 67.0 |
| July | 2,558,655 | 62.2 | + 784,238 | + 30.7 |
| August | 3,342,893 | 81.2 | + 540,308 | + 16.2 |
| September | 3,883,201 | 94.4 | + 231,363 | + 6.0 |
| October | 4,114,564 | 100.0 | − 329,868 | − 8.0 |
| November | 3,784,696 | 92.0 | − 215,320 | − 5.7 |
| December | 3,569,376 | 86.7 | + 305,217 | + 8.6 |

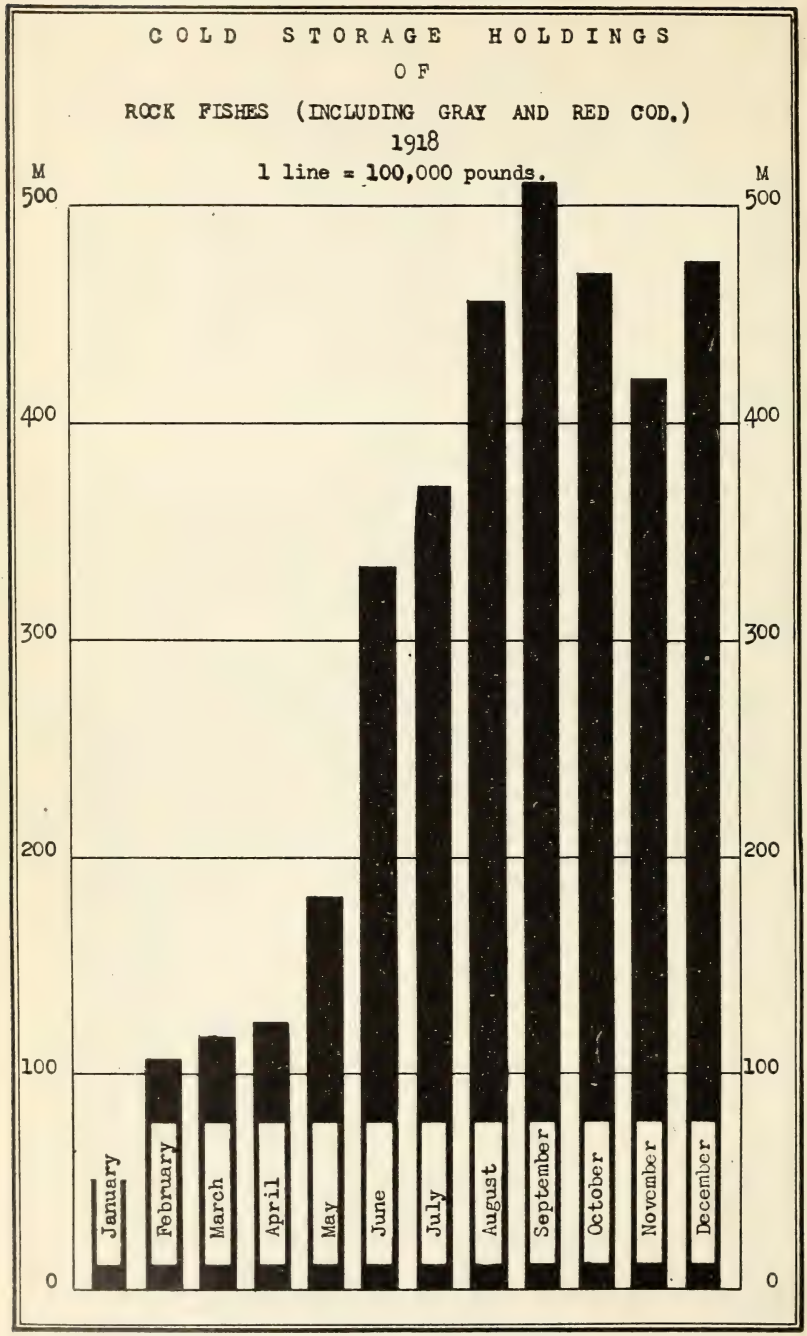
COLD STORAGE HOLDINGS
OF
ROCK FISHES (INCLUDING GRAY AND RED COD.)
1918
1 line = 100,000 pounds.
M
500
400
300
200
100
0
January
February
March
April
May
June
July
August
September
October
November
December

FIG. 25.

TABLE 39.—*Monthly cold storage holdings of frozen mackerel during 1918 compared with those of 1917.*

| Month. | Reported for 1918. | | Comparison with 1917. | | | |
|---|---|---|---|---|---|---|
| | Storages reporting. | Holdings reported on fifteenth of month. | Storages reporting for both dates. | 1917. | 1918. | Increase or decrease. |
| | *Number.* | *Pounds.* | *Number.* | *Pounds.* | *Pounds.* | *Per cent.* |
| January | 84 | 2,414,186 | 69 | 1,653,800 | 1,825,314 | +10.4 |
| February | 97 | 1,778,495 | 76 | 937,092 | 1,171,208 | +25.0 |
| March | 97 | 1,230,450 | 78 | 817,218 | 1,022,538 | +25.1 |
| April | 96 | 1,001,737 | 80 | 714,253 | 982,230 | +37.5 |
| May | 73 | 696,654 | 58 | 708,192 | 598,132 | −15.5 |
| June | 74 | 1,532,222 | 61 | 1,066,870 | 1,285,367 | +20.5 |
| July | 79 | 2,558,655 | 66 | 1,583,291 | 2,090,355 | +32.0 |
| August | 82 | 3,342,893 | 68 | 2,110,405 | 2,652,354 | +25.7 |
| September | 83 | 3,883,201 | 67 | 2,340,776 | 2,986,302 | +27.6 |
| October | 89 | 4,114,564 | 79 | 3,657,805 | 3,595,812 | − 1.7 |
| November | 95 | 3,784,696 | 88 | 4,036,607 | 3,631,292 | −10.0 |
| December | 88 | 3,569,376 | 85 | 3,102,732 | 3,568,216 | +15.0 |

### ROCK FISHES.

"These fish are caught in enormous quantities on the Pacific Coast, especially from Santa Barbara to San Francisco. There are a large number of species, known to the fishermen as 'priest fish,' 'rock cod,' and 'rockfish' with many qualifying prefixes, as 'black,' 'black-banded,' 'brown,' 'grass,' 'green,' 'orange,' 'red,' 'yellow,' 'yellow-backed,' 'yellow-tail,' etc.; also called 'garrupa,' 'grouper,' 'scorpene,' 'sculpin,' 'scorpion,' 'treefish,' 'flyfish,' 'corsair,' 'Spanish flag,' 'reina,' 'black-bass,' 'jack,' 'tomcod,' 'boccaccio,' etc. They average 15 inches in length and 2 to 3 pounds in weight, but some reach a length of 3 feet and a weight of 12 pounds. They are caught in seines and with hook and line."

On January 15, 1918, there were only 51,480 pounds of rock fishes in cold storage. The stocks increased each month until September 15, when the reports showed holdings of 510,477 pounds. This stock was 105.5 per cent greater than the stock on hand September 15, 1917.

TABLE 40.—*Monthly cold storage holdings of frozen rock fishes during 1918, and increase or decrease during each month.*

| Month. | Holdings on fifteenth of month. | Relative percentage. | Increase or decrease during month. | |
|---|---|---|---|---|
| | *Pounds.* | *Per cent.* | *Pounds.* | *Per cent.* |
| January | 51,480 | 10.1 | + 56,070 | +108.9 |
| February | 107,550 | 21.1 | + 9,737 | + 9.1 |
| March | 117,287 | 23.0 | + 6,467 | + 5.5 |
| April | 123,754 | 24.2 | + 58,898 | + 47.6 |
| May | 182,652 | 35.8 | +150,396 | + 82.3 |
| June | 333,048 | 65.2 | + 38,211 | + 11.5 |
| July | 371,259 | 72.7 | + 84,302 | + 22.7 |
| August | 455,561 | 89.2 | + 54,916 | + 12.1 |
| September | 510,477 | 100.0 | − 42,030 | − 8.2 |
| October | 468,447 | 91.8 | − 47,860 | − 10.2 |
| November | 420,587 | 82.4 | + 52,613 | + 12.5 |
| December | 473,200 | 92.7 | −161,212 | − 34.1 |

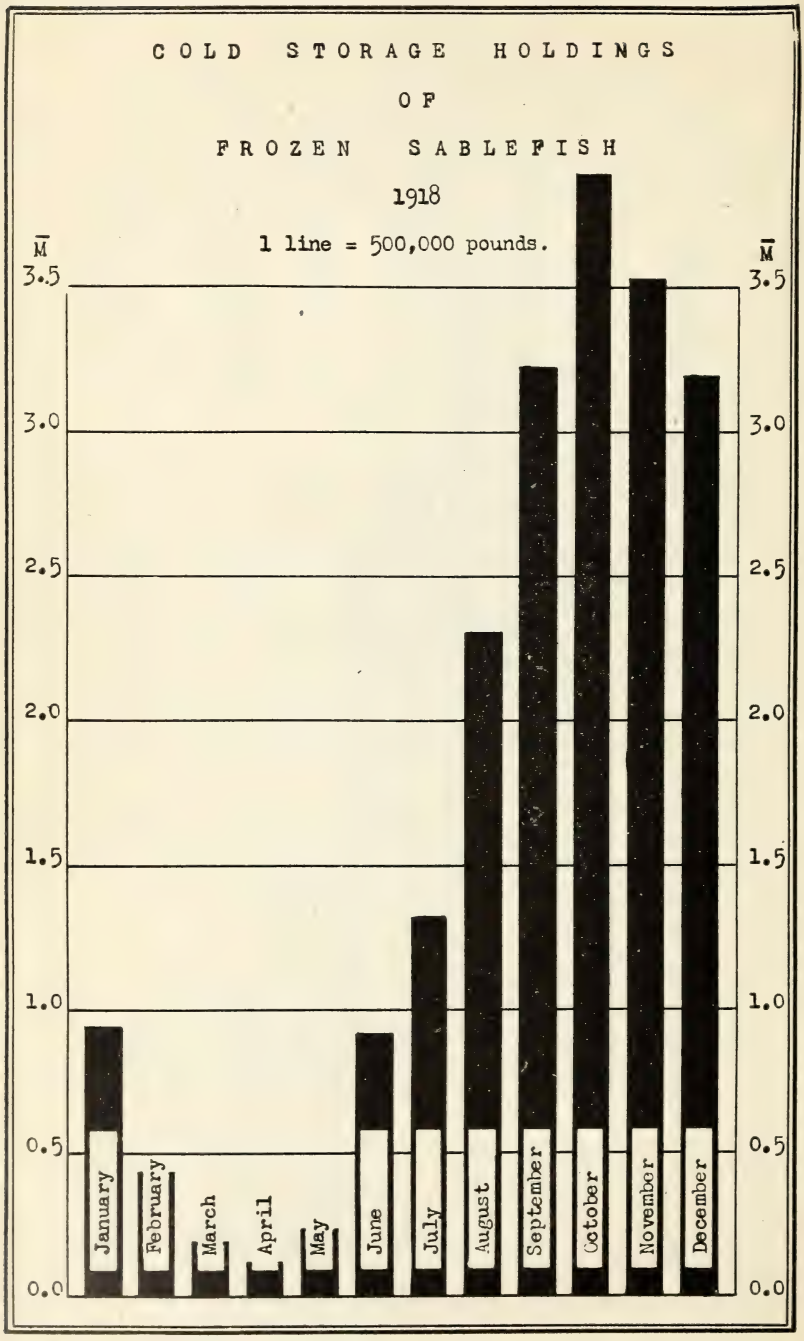
COLD STORAGE HOLDINGS
OF
FROZEN SABLEFISH
1918
1 line = 500,000 pounds.
M
3.5
3.0
2.5
2.0
1.5
1.0
0.5
0.0
January
February
March
April
May
June
July
August
September
October
November
December

FIG. 26.

TABLE 41.—*Monthly cold storage holdings of frozen rock fishes during 1918 compared with those of 1917.*

| Month. | Reported for 1918. | | Comparison with 1917. | | | |
|---|---|---|---|---|---|---|
| | Storages reporting. | Holdings reported on fifteenth of month. | Storages reporting for both dates. | 1917. | 1918. | Increase or decrease. |
| | *Number.* | *Pounds.* | *Number.* | *Pounds.* | *Pounds.* | *Per cent.* |
| January | 15 | 51,480 | 14 | 392 | 30,215 | +7607.9 |
| February | 24 | 107,550 | 18 | 530 | 32,539 | +6039.4 |
| March | 24 | 117,287 | 20 | 14,826 | 70,928 | + 378.4 |
| April | 24 | 123,754 | 20 | 31,724 | 105,777 | + 233.4 |
| May | 23 | 182,652 | 20 | 84,091 | 169,229 | + 101.2 |
| June | 20 | 333,048 | 17 | 103,930 | 274,903 | + 164.5 |
| July | 22 | 371,259 | 18 | 203,887 | 331,848 | + 62.8 |
| August | 25 | 455,561 | 21 | 169,194 | 425,468 | + 151.5 |
| September | 20 | 510,477 | 14 | 155,793 | 320,168 | + 105.5 |
| October | 17 | 468,447 | 15 | 117,872 | 454,511 | + 285.6 |
| November | 19 | 420,587 | 17 | 131,289 | 407,291 | + 210.2 |
| December | 23 | 473,200 | 21 | 130,014 | 468,995 | + 260.7 |

SABLEFISH (BLACK COD).

From January 15 to April 15, 1918, the holdings of frozen sablefish decreased from 941,658 pounds to 122,425 pounds. They then increased monthly until October 15, when the holdings were 3,878,725 pounds. This amount was 180.6 per cent greater than the stocks held on October 15, 1917. By December 15 the stocks had been reduced 694,142 pounds.

TABLE 42.—*Monthly cold storage holdings of frozen sablefish during 1918, and increase or decrease during each month.*

| Month. | Holdings on fifteenth of month. | Relative percentage. | Increase or decrease during month. | |
|---|---|---|---|---|
| | *Pounds.* | *Per cent.* | *Pounds.* | *Per cent.* |
| January | 941,658 | 24.3 | −511,210 | − 54.3 |
| February | 430,448 | 11.1 | −238,424 | − 55.4 |
| March | 192,024 | 5.0 | − 69,599 | − 36.2 |
| April | 122,425 | 3.2 | +111,669 | + 91.2 |
| May | 234,094 | 6.0 | +681,855 | +291.3 |
| June | 915,949 | 23.6 | +402,461 | + 43.9 |
| July | 1,318,410 | 34.0 | +981,451 | + 74.4 |
| August | 2,299,861 | 59.3 | +915,240 | + 39.8 |
| September | 3,215,101 | 82.9 | +663,624 | + 20.6 |
| October | 3,878,725 | 100.0 | −360,194 | − 9.3 |
| November | 3,518,531 | 90.7 | −333,948 | 9.5 |
| December | 3,184,583 | 82.1 | −373,644 | − 11.7 |

TABLE 43.—*Monthly cold storage holdings of frozen sablefish during 1918 compared with those of 1917.*

| Month. | Reported for 1918. | | Comparison with 1917. | | | |
|---|---|---|---|---|---|---|
| | Storages reporting. | Holdings reported on fifteenth of month. | Storages reporting for both dates. | 1917. | 1918. | Increase or decrease. |
| | *Number.* | *Pounds.* | *Number.* | *Pounds.* | *Pounds.* | *Per cent.* |
| January | 46 | 941,658 | 41 | 542,353 | 837,788 | + 54.5 |
| February | 56 | 430,448 | 45 | 341,991 | 367,211 | + 7.4 |
| March | 57 | 192,024 | 47 | 95,573 | 176,983 | + 85.2 |
| April | 56 | 122,425 | 47 | 100,131 | 113,872 | + 13.7 |
| May | 43 | 234,094 | 36 | 121,842 | 225,955 | + 85.4 |
| June | 37 | 915,949 | 30 | 657,145 | 905,993 | + 37.9 |
| July | 40 | 1,318,410 | 34 | 1,154,987 | 914,917 | − 20.8 |
| August | 41 | 2,299,861 | 34 | 1,646,857 | 1,643,295 | − 0.2 |
| September | 37 | 3,215,101 | 28 | 1,668,238 | 2,319,802 | + 39.1 |
| October | 40 | 3,878,725 | 36 | 1,195,581 | 3,354,524 | +180.6 |
| November | 44 | 3,518,531 | 42 | 1,456,023 | 3,345,769 | +129.8 |
| December | 46 | 3,184,583 | 46 | 1,830,063 | 3,184,583 | + 74.0 |

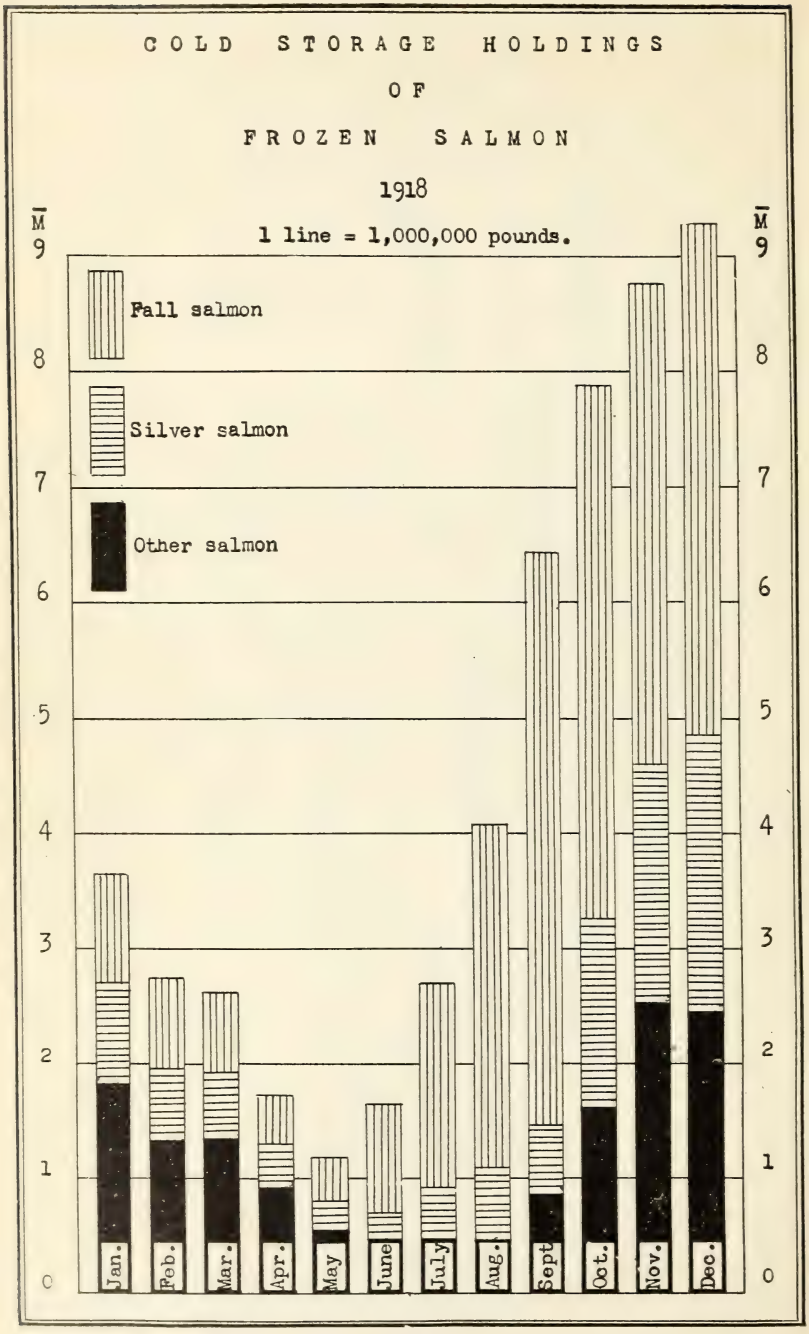
COLD STORAGE HOLDINGS
OF
FROZEN SALMON
1918
1 line = 1,000,000 pounds.
M
9
8
7
6
5
4
3
2
1
0
Fall salmon
Silver salmon
Other salmon
Jan.
Feb.
Mar.
Apr.
May
June
July
Aug.
Sept
Oct.
Nov.
Dec.

FIG. 27.

## SALMON.

The bureau's reports show separate holdings for "fall salmon" and "silver salmon." All other salmon, including sockeye, chinook, steelhead trout, etc., are grouped together.

The largest stocks of fall salmon were held in cold storage on November 15 and amounted to 2,515,056 pounds, a decrease of almost 10 per cent from the stocks held in 1917. The stocks reached their lowest point on August 15, when the reports showed 452,113 pounds.

On December 15 the reports showed holdings of 2,401,313 pounds of silver salmon. This was more than double the stocks held on the same date in 1917. The lowest holdings were reported on June 15 and amounted to 238,965 pounds.

The stocks of miscellaneous salmon on January 15 amounted to 952,045 pounds. The holdings decreased to 436,528 pounds on April 15, then increased until September 15. The stocks on that date were 4,983,197 pounds, an increase of 104.5 per cent over those of September 15, 1917.

TABLE 44.—*Monthly cold storage holdings of frozen fall salmon during 1918, and increase or decrease during each month.*

| Month. | Holdings on fifteenth of month. | Relative percentage. | Increase or decrease during month. | |
|---|---|---|---|---|
| | *Pounds.* | *Per cent.* | *Pounds.* | *Per cent.* |
| January | 1,825,755 | 72.6 | −484,748 | −26.6 |
| February | 1,341,007 | 53.3 | − 3,327 | − 0.2 |
| March | 1,337,680 | 53.2 | −425,699 | −31.8 |
| April | 911,981 | 36.3 | −369,353 | −40.5 |
| May | 542,628 | 21.6 | − 74,321 | −13.7 |
| June | 468,307 | 18.6 | + 4,295 | + 0.9 |
| July | 472,602 | 18.8 | − 20,489 | − 4.3 |
| August | 452,113 | 18.0 | +396,628 | +87.7 |
| September | 848,741 | 33.7 | +766,212 | +90.3 |
| October | 1,614,953 | 64.2 | +900,103 | +55.7 |
| November | 2,515,056 | 100.0 | − 70,168 | − 2.8 |
| December | 2,444,888 | 97.2 | −125,844 | − 5.1 |

TABLE 45.—*Monthly cold storage holdings of frozen fall salmon during 1918 compared with those of 1917.*

| Month. | Reported for 1918. | | Comparison with 1917. | | | |
|---|---|---|---|---|---|---|
| | Storages reporting. | Holdings reported on fifteenth of month. | Storages reporting for both dates. | 1917. | 1918. | Increase or decrease. |
| | *Number.* | *Pounds.* | *Number.* | *Pounds.* | *Pounds.* | *Per cent.* |
| January | 86 | 1,825,755 | 71 | 2,086,737 | 1,448,673 | −30.6 |
| February | 99 | 1,341,007 | 80 | 792,460 | 826,926 | + 4.3 |
| March | 98 | 1,337,680 | 78 | 1,058,601 | 922,609 | −12.8 |
| April | 97 | 911,981 | 78 | 492,838 | 593,823 | +20.5 |
| May | 76 | 542,628 | 61 | 370,028 | 307,838 | −16.8 |
| June | 64 | 468,307 | 47 | 257,784 | 321,715 | +24.8 |
| July | 66 | 472,602 | 51 | 255,983 | 322,109 | +25.8 |
| August | 67 | 452,113 | 52 | 356,215 | 331,331 | − 7.0 |
| September | 52 | 848,741 | 40 | 548,058 | 699,904 | +27.7 |
| October | 63 | 1,614,953 | 55 | 846,570 | 1,399,857 | +65.4 |
| November | 68 | 2,515,056 | 62 | 2,554,937 | 2,309,698 | − 9.6 |
| December | 80 | 2,444,888 | 77 | 1,971,380 | 2,174,964 | +10.3 |

TABLE 46.—*Monthly cold storage holdings of frozen silver salmon during 1918, and increase or decrease during each month.*

| Month. | Holdings on fifteenth of month. | Relative percentage. | Increase or decrease during month. | |
|---|---|---|---|---|
| | *Pounds.* | *Per cent.* | *Pounds.* | *Per cent.* |
| January | 888,497 | 37.0 | − 268,387 | − 30.2 |
| February | 620,110 | 25.8 | − 46,130 | − 7.4 |
| March | 573,980 | 23.9 | − 191,411 | − 33.3 |
| April | 382,569 | 15.9 | − 126,804 | − 33.1 |
| May | 255,765 | 10.7 | − 16,800 | − 6.6 |
| June | 238,965 | 10.0 | + 197,582 | + 82.7 |
| July | 436,547 | 18.2 | + 205,441 | + 47.1 |
| August | 641,988 | 26.7 | − 29,374 | − 4.6 |
| September | 612,614 | 25.5 | +1,020,828 | +166.6 |
| October | 1,633,442 | 68.0 | + 442,149 | + 27.1 |
| November | 2,075,591 | 86.4 | + 325,722 | + 15.7 |
| December | 2,401,313 | 100.0 | − 23,893 | − 1.0 |

TABLE 47.—*Monthly cold storage holdings of frozen silver salmon during 1918 compared with those of 1917.*

| Month. | Reported for 1918. | | Comparison with 1917. | | | |
|---|---|---|---|---|---|---|
| | Storages reporting. | Holdings reported on fifteenth of month. | Storages reporting for both dates. | 1917. | 1918. | Increase or decrease. |
| | *Number.* | *Pounds.* | *Number.* | *Pounds.* | *Pounds.* | *Per cent.* |
| January | 63 | 888,497 | 54 | 1,112,889 | 779,445 | − 30.0 |
| February | 71 | 620,110 | 60 | 362,952 | 511,563 | + 40.9 |
| March | 72 | 573,980 | 64 | 577,462 | 508,760 | − 11.9 |
| April | 69 | 382,569 | 62 | 459,974 | 342,175 | − 25.6 |
| May | 49 | 255,765 | 42 | 261,147 | 232,974 | − 10.8 |
| June | 39 | 238,965 | 33 | 316,528 | 218,802 | − 30.9 |
| July | 45 | 436,547 | 40 | 296,091 | 306,145 | + 3.4 |
| August | 46 | 641,988 | 40 | 316,993 | 605,418 | + 91.0 |
| September | 41 | 612,614 | 36 | 625,718 | 519,922 | − 16.9 |
| October | 44 | 1,633,442 | 39 | 1,173,555 | 1,422,110 | + 21.2 |
| November | 55 | 2,075,591 | 48 | 1,024,121 | 1,724,362 | + 68.4 |
| December | 67 | 2,401,313 | 65 | 1,118,341 | 2,323,621 | +107.8 |

TABLE 48.—*Monthly cold storage holdings of miscellaneous frozen salmon during 1918, and increase or decrease during each month.*

| Month. | Holdings on fifteenth of month. | Relative percentage. | Increase or decrease during month. | |
|---|---|---|---|---|
| | *Pounds.* | *Per cent.* | *Pounds.* | *Per cent.* |
| January | 952,045 | 19.1 | − 164,380 | − 17.3 |
| February | 787,665 | 15.8 | − 93,873 | − 11.9 |
| March | 693,792 | 13.9 | − 257,264 | − 37.1 |
| April | 436,528 | 8.8 | − 45,593 | − 10.4 |
| May | 390,935 | 7.8 | + 557,340 | +142.6 |
| June | 948,275 | 19.0 | + 834,469 | + 88.0 |
| July | 1,782,744 | 35.8 | +1,187,323 | + 66.6 |
| August | 2,970,067 | 59.6 | +2,013,130 | + 67.8 |
| September | 4,983,197 | 100.0 | − 356,194 | − 7.1 |
| October | 4,627,003 | 92.9 | − 469,993 | − 10.2 |
| November | 4,157,010 | 83.4 | + 292,279 | + 7.0 |
| December | 4,449,289 | 89.3 | − 197,406 | − 4.4 |

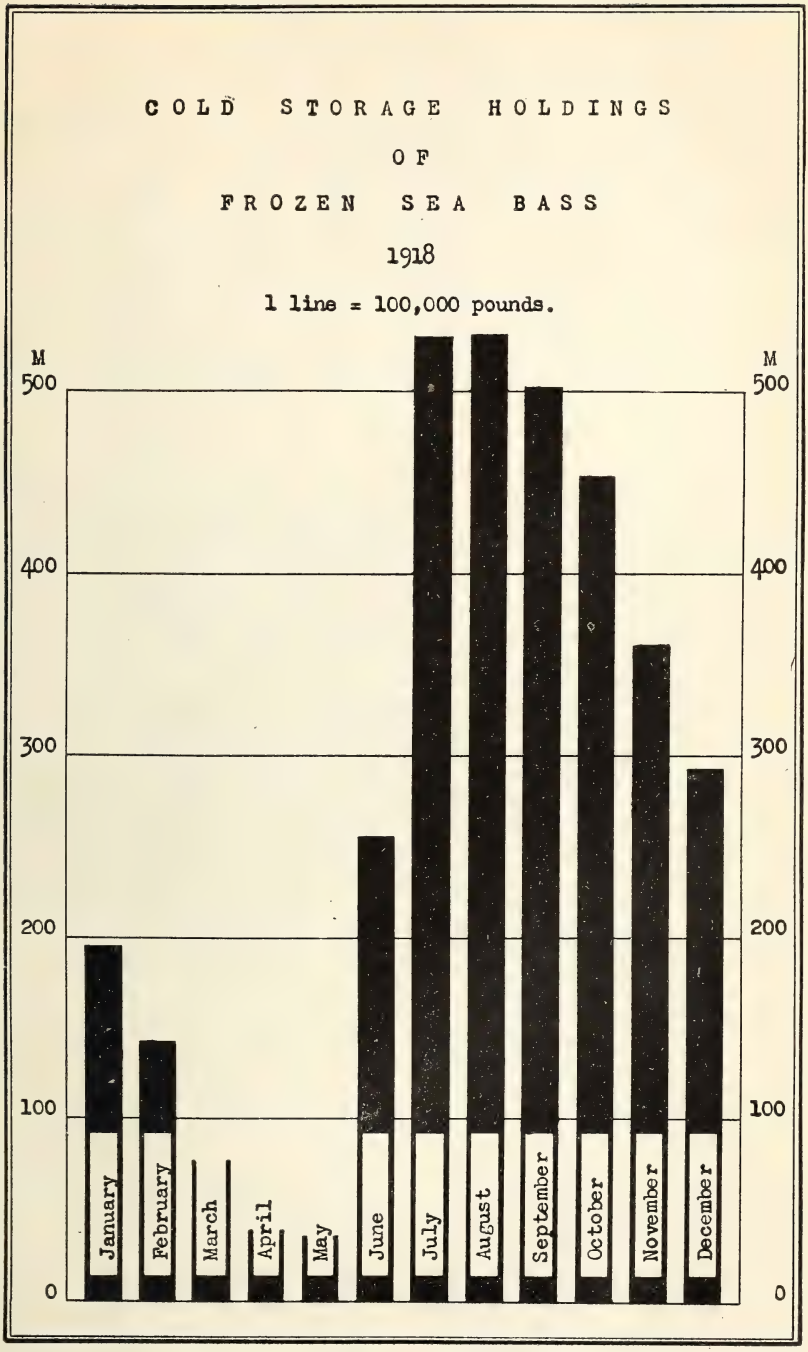
COLD STORAGE HOLDINGS
OF
FROZEN SEA BASS
1918
1 line = 100,000 pounds.
M
500
400
300
200
100
0
January
February
March
April
May
June
July
August
September
October
November
December

FIG. 28.

TABLE 49.—*Monthly cold storage holdings of miscellaneous frozen salmon during 1918 compared with those of 1917.*

| Month. | Reported for 1918. | | Comparison with 1917. | | | |
|---|---|---|---|---|---|---|
| | Storages reporting. | Holdings reported on fifteenth of month. | Storages reporting for both dates. | 1917. | 1918. | Increase or decrease. |
| | *Number.* | *Pounds.* | *Number.* | *Pounds.* | *Pounds.* | *Per cent.* |
| January | 65 | 952,045 | 53 | 2,553,580 | 2,137,615 | − 16.3 |
| February | 67 | 787,665 | 56 | 976,664 | 740,951 | − 24.1 |
| March | 66 | 693,792 | 55 | 525,457 | 638,478 | + 21.5 |
| April | 66 | 436,528 | 56 | 388,597 | 421,704 | + 8.5 |
| May | 55 | 390,935 | 46 | 362,817 | 279,447 | − 23.0 |
| June | 44 | 948,275 | 36 | 461,160 | 893,342 | + 93.7 |
| July | 53 | 1,782,744 | 44 | 1,194,129 | 1,602,545 | + 34.2 |
| August | 55 | 2,970,067 | 46 | 1,320,706 | 2,688,985 | +103.6 |
| September | 54 | 4,983,197 | 42 | 1,608,215 | 3,289,317 | +104.5 |
| October | 52 | 4,627,003 | 46 | 1,687,833 | 3,897,882 | +130.9 |
| November | 55 | 4,157,010 | 54 | 1,730,685 | 4,777,810 | +176.1 |
| December | 60 | 4,449,289 | 59 | 1,265,322 | 4,449,289 | +251.6 |

## SEA BASS.

The sea bass is "a food fish found from Vineyard Sound to the eastern part of the Gulf of Mexico. It is known south of Cape Hatteras as the 'blackfish'; in the Middle States as 'black Will,' 'black Harry,' and 'hannahills'; about New Bedford and Newport as 'bluefish,' and at New Bedford also as 'rock bass.' The average length in New England is about 15 inches, average weight one and one-half pounds. In the South they are much smaller, averaging about three-fourths of a pound in weight. They are caught with hand lines and in pounds and traps. The white sea bass is found on the Pacific Coast from Cape Mendocino to San Diego. It is an important food fish, and averages 15 pounds in weight. The redfish is called 'sea bass' in the Carolinas, Florida, and the Gulf."

The largest stocks of sea bass reported during the year were held on August 15 and amounted to 532,725 pounds. This was 20 per cent less than was held on August 15, 1917. The smallest quantity, 35,845 pounds, was reported on May 15. The greatest increase occurred from May 15 to July 15, approximately 500,000 pounds of the stocks of the season being frozen at that time. The holdings decreased during the remainder of the year and on December 15 amounted to 293,248 pounds.

TABLE 50.—*Monthly cold storage holdings of frozen sea bass during 1918, and increase or decrease during each month.*

| Month. | Holdings on fifteenth of month. | Relative percentage. | Increase or decrease during month. | |
|---|---|---|---|---|
| | *Pounds.* | *Per cent.* | *Pounds.* | *Per cent.* |
| January | 196,627 | 36.9 | − 53,386 | − 27.2 |
| February | 143,241 | 26.9 | − 66,292 | − 46.3 |
| March | 76,949 | 14.4 | − 36,473 | − 47.4 |
| April | 40,476 | 7.6 | − 4,631 | − 11.4 |
| May | 35,845 | 6.7 | +221,602 | +618.2 |
| June | 257,447 | 48.3 | +273,012 | +106.0 |
| July | 530,459 | 99.6 | + 2,266 | + 0.4 |
| August | 532,725 | 100.0 | − 30,748 | − 5.8 |
| September | 501,977 | 94.2 | − 47,691 | − 9.5 |
| October | 454,286 | 85.3 | − 93,410 | − 20.6 |
| November | 360,876 | 67.7 | − 67,628 | − 18.7 |
| December | 293,248 | 55.0 | − 52,877 | − 18.0 |

TABLE 51.—*Monthly cold storage holdings of frozen sea bass during 1918 compared with those of 1917.*

| Month. | Reported for 1918. | | Comparison with 1917. | | | |
|---|---|---|---|---|---|---|
| | Storages reporting. | Holdings reported on fifteenth of month. | Storages reporting for both dates. | 1917. | 1918. | Increase or decrease. |
| | *Number.* | *Pounds.* | *Number.* | *Pounds.* | *Pounds.* | *Per cent.* |
| January | 39 | 196,627 | 30 | 339,383 | 116,268 | −65.7 |
| February | 42 | 143,241 | 31 | 124,772 | 53,737 | −56.9 |
| March | 43 | 76,949 | 36 | 146,321 | 57,543 | −60.7 |
| April | 39 | 40,476 | 34 | 80,534 | 37,051 | −54.0 |
| May | 31 | 35,845 | 23 | 48,050 | 32,648 | −32.1 |
| June | 29 | 257,447 | 22 | 193,387 | 200,855 | + 3.9 |
| July | 34 | 530,459 | 26 | 407,234 | 387,910 | − 4.7 |
| August | 36 | 532,725 | 29 | 498,664 | 398,998 | −20.0 |
| September | 35 | 501,977 | 28 | 409,755 | 368,979 | −10.0 |
| October | 36 | 454,286 | 34 | 395,925 | 414,959 | + 4.8 |
| November | 37 | 360,876 | 37 | 452,872 | 360,876 | −25.3 |
| December | 38 | 293,248 | 38 | 402,251 | 293,248 | −27.1 |

## SHAD.

The shad is "a very important food fish found on all the coasts and in some inland waters; the great fisheries are in the rivers of the Atlantic slope. It is called 'white shad,' in distinction from other 'shad.' The average weight is about 4 pounds, average length about 2 feet. It is caught in nets, seines and weirs, and is sold fresh, cured, and pickled."

On January 15, 1918, reports showed stocks of 564,739 pounds of frozen shad. The holdings decreased to 289,776 pounds on April 15. During the period from April 15 to June 15 the holdings were increased by 567,556 pounds. This was 137.6 per cent more than was stored on June 15, 1917. The reports of the Bureau of Markets also show stocks of shad roe. The report of June 15 showed more than 64,000 pounds in cold storage.

TABLE 52.—*Monthly cold storage holdings of frozen shad during 1918, and increase or decrease during each month.*

| Month. | Holdings on fifteenth of month. | Relative percentage. | Increase or decrease during month. | |
|---|---|---|---|---|
| | *Pounds.* | *Per cent.* | *Pounds.* | *Per cent.* |
| January | 564,739 | 65.9 | −245,450 | − 43.5 |
| February | 319,289 | 37.2 | − 15,968 | − 5.0 |
| March | 303,321 | 35.4 | − 13,545 | − 4.5 |
| April | 289,776 | 33.8 | + 88,557 | + 30.6 |
| May | 378,333 | 44.1 | +478,999 | +126.6 |
| June | 857,332 | 100.0 | − 76,763 | − 9.0 |
| July | 780,569 | 91.0 | − 9,121 | − 1.2 |
| August | 771,448 | 90.0 | − 9,018 | − 1.2 |
| September | 762,430 | 88.9 | − 2,387 | − 0.3 |
| October | 760,043 | 88.7 | − 36,857 | − 4.8 |
| November | 723,186 | 84.4 | − 89,470 | − 12.4 |
| December | 633,716 | 73.9 | −182,402 | − 28.8 |

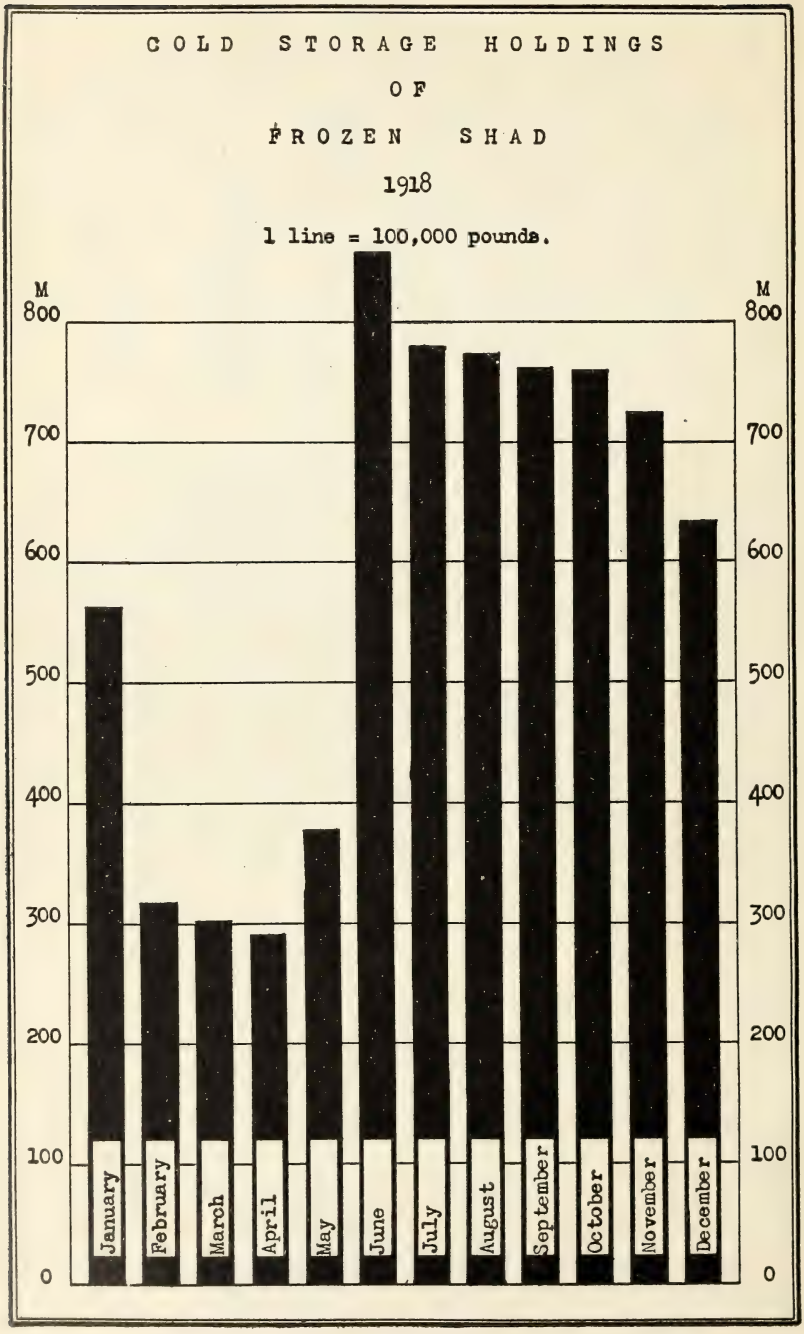
COLD STORAGE HOLDINGS
OF
FROZEN SHAD
1918
1 line = 100,000 pounds.
M
800
700
600
500
400
300
200
100
0
January
February
March
April
May
June
July
August
September
October
November
December

FIG. 29.

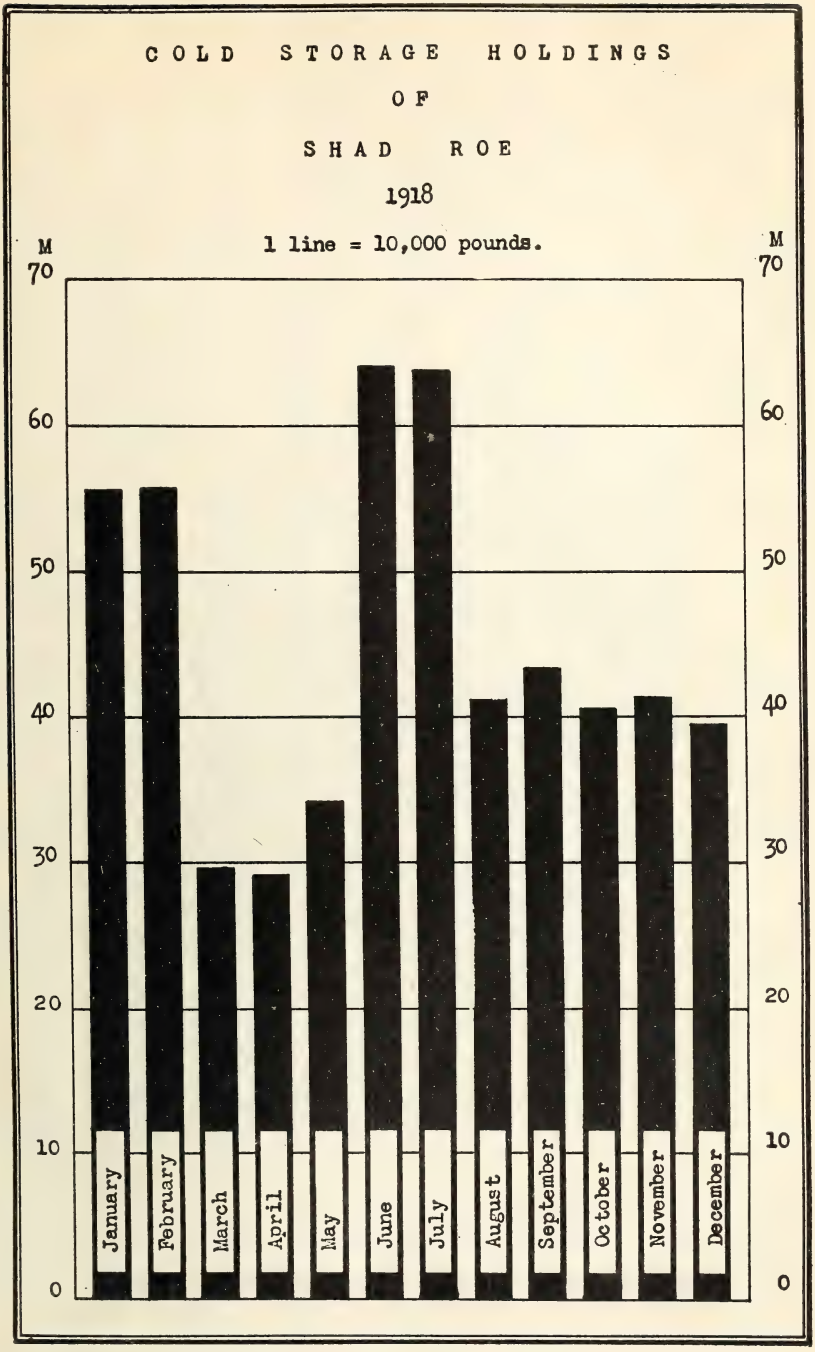
COLD STORAGE HOLDINGS
OF
SHAD ROE
1918
1 line = 10,000 pounds.
M
70
60
50
40
30
20
10
0
January
February
March
April
May
June
July
August
September
October
November
December

Fig. 30.

TABLE 53.—*Monthly cold storage holdings of frozen shad during 1918 compared with those of 1917.*

| Month. | Reported for 1918. | | Comparison with 1917. | | | |
|---|---|---|---|---|---|---|
| | Storages reporting. | Holdings reported on fifteenth of month. | Storages reporting for both dates. | 1917. | 1918. | Increase or decrease. |
| | *Number.* | *Pounds.* | *Number.* | *Pounds.* | *Pounds.* | *Per cent.* |
| January | 63 | 564,739 | 47 | 329,971 | 309,713 | − 6.1 |
| February | 68 | 319,289 | 51 | 91,584 | 95,247 | + 4.0 |
| March | 67 | 303,321 | 51 | 134,315 | 193,293 | + 43.9 |
| April | 67 | 289,776 | 51 | 112,455 | 172,569 | + 53.5 |
| May | 54 | 378,333 | 42 | 199,170 | 223,921 | + 12.4 |
| June | 59 | 857,332 | 44 | 389,758 | 926,085 | +137.6 |
| July | 65 | 780,569 | 51 | 345,002 | 636,580 | + 84.5 |
| August | 70 | 771,448 | 56 | 391,435 | 567,958 | + 45.1 |
| September | 64 | 762,430 | 50 | 362,240 | 559,511 | + 54.5 |
| October | 70 | 760,043 | 59 | 611,133 | 688,588 | + 12.7 |
| November | 69 | 723,186 | 62 | 579,491 | 701,564 | + 21.1 |
| December | 62 | 633,716 | 57 | 627,919 | 624,015 | − 0.6 |

TABLE 54.—*Monthly cold storage holdings of frozen shad roe during 1918, and increase or decrease during each month.*

| Month. | Holdings on fifteenth of month. | Relative percentage. | Increase or decrease during month. | |
|---|---|---|---|---|
| | *Pounds.* | *Per cent.* | *Pounds.* | *Per cent.* |
| January | 55,124 | 86.1 | + 1,381 | + 2.5 |
| February | 56,505 | 88.2 | −27,050 | −47.9 |
| March | 29,455 | 46.0 | − 322 | − 1.1 |
| April | 29,133 | 45.5 | + 5,254 | +18.0 |
| May | 34,387 | 53.7 | +29,662 | +86.3 |
| June | 64,049 | 100.0 | − 371 | − 0.6 |
| July | 63,678 | 99.4 | −22,554 | −35.4 |
| August | 41,124 | 64.2 | + 2,194 | + 5.3 |
| September | 43,318 | 67.6 | − 2,690 | − 6.2 |
| October | 40,628 | 63.4 | + 781 | + 1.9 |
| November | 41,409 | 64.7 | − 1,655 | − 4.0 |
| December | 39,754 | 62.1 | −11,912 | −30.0 |

TABLE 55.—*Monthly cold storage holdings of frozen shad roe during 1918 compared with those of 1917.*

| Month. | Reported for 1918. | | Comparison with 1917. | | | |
|---|---|---|---|---|---|---|
| | Storages reporting. | Holdings reported on fifteenth of month. | Storages reporting for both dates. | 1917. | 1918. | Increase or decrease. |
| | *Number.* | *Pounds.* | *Number.* | *Pounds.* | *Pounds.* | *Per cent.* |
| January | 53 | 55,124 | 41 | 29,548 | 31,016 | + 5.0 |
| February | 54 | 56,505 | 41 | 8,540 | 8,293 | − 2.9 |
| March | 53 | 29,455 | 42 | 18,190 | 8,637 | − 52.5 |
| April | 51 | 29,133 | 40 | 5,454 | 15,136 | +177.5 |
| May | 43 | 34,387 | 32 | 8,247 | 12,683 | + 53.8 |
| June | 44 | 64,049 | 32 | 12,410 | 23,077 | + 86.0 |
| July | 45 | 63,678 | 33 | 11,076 | 26,775 | +141.7 |
| August | 42 | 41,124 | 31 | 12,283 | 26,488 | +115.6 |
| September | 37 | 43,318 | 27 | 12,706 | 23,958 | + 88.6 |
| October | 43 | 40,628 | 37 | 44,886 | 35,235 | − 21.5 |
| November | 48 | 41,409 | 45 | 56,209 | 41,319 | − 26.5 |
| December | 45 | 39,754 | 43 | 64,897 | 39,738 | − 38.8 |

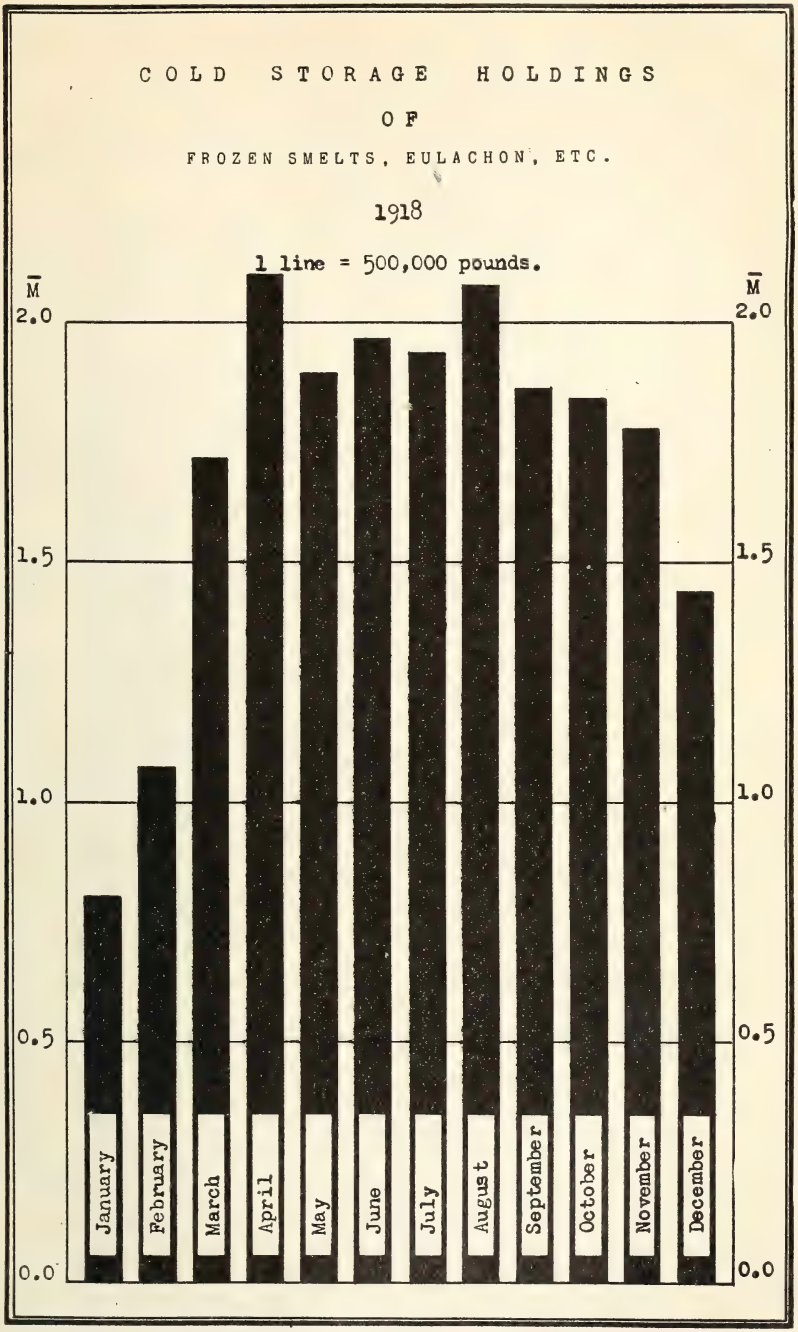
COLD STORAGE HOLDINGS
OF
FROZEN SMELTS, EULACHON, ETC.
1918
1 line = 500,000 pounds.
M
2.0
1.5
1.0
0.5
0.0
January
February
March
April
May
June
July
August
September
October
November
December

Fig. 31.

## SMELTS, EULACHON, ETC.

The smelt is "a very choice food fish found on the Atlantic Coast from Virginia to the St. Lawrence and landlocked in many New England lakes. Also called 'American smelt' and 'frostfish.' When sent to market unfrozen they are known as 'green' smelts. The average length is 8 to 10 inches. The Pacific smelt is found from San Francisco to Alaska. The surf smelt is found from Monterey to Alaska."

The Eulachon is "a small fish common in the rivers and coast of the North Pacific. The Indian name 'oolican' (hoolakins) is often used. The trade name is 'candlefish.' On the Columbia River the name 'smelt' is used. The length averages a little less than 1 foot. It is an excellent food fish, and is also of importance for the oil it yields, which is used as substitute for cod liver oil."

On January 15 the stocks of frozen smelts amounted to a little more than 800,000 pounds. They increased until April 15, when 2,098,022 pounds were reported. The stocks reported for May, June, and July 15 were somewhat less but increased from July 15 to August 15. A decrease then occurred monthly until the fifteenth of December. The stocks on April 15 were 51.2 per cent greater than those on April 15, 1917.

TABLE 56.—*Monthly cold storage holdings of frozen smelts during 1918, and increase or decrease during each month.*

| Month. | Holdings on fifteenth of month. | Relative percentage. | Increase or decrease during month. | |
|---|---|---|---|---|
| | *Pounds.* | *Per cent.* | *Pounds.* | *Per cent.* |
| January | 807,025 | 38.5 | +263,925 | +32.7 |
| February | 1,070,950 | 51.0 | +646,839 | +60.4 |
| March | 1,717,789 | 81.9 | +380,233 | +22.1 |
| April | 2,098,022 | 100.0 | −209,160 | −10.0 |
| May | 1,888,862 | 90.0 | + 74,784 | + 4.0 |
| June | 1,963,646 | 93.6 | − 30,213 | − 1.5 |
| July | 1,933,433 | 92.2 | +144,426 | + 7.5 |
| August | 2,077,859 | 99.0 | −213,745 | −10.3 |
| September | 1,864,114 | 88.9 | − 23,485 | − 1.3 |
| October | 1,840,629 | 87.7 | − 65,549 | − 3.6 |
| November | 1,775,080 | 84.6 | −333,185 | −18.8 |
| December | 1,441,895 | 68.7 | −210,618 | −14.6 |

TABLE 57.—*Monthly cold storage holdings of frozen smelts during 1918 compared with those of 1917.*

| Month. | Reported for 1918. | | Comparison with 1917. | | | |
|---|---|---|---|---|---|---|
| | Storages reporting. | Holdings reported on fifteenth of month. | Storages reporting for both dates. | 1917. | 1918. | Increase or decrease. |
| | *Number.* | *Pounds.* | *Number.* | *Pounds.* | *Pounds.* | *Per cent.* |
| January | 67 | 807,025 | 56 | 216,747 | 509,036 | +134.9 |
| February | 76 | 1,070,950 | 60 | 358,141 | 652,535 | + 82.2 |
| March | 82 | 1,717,789 | 65 | 876,171 | 1,359,084 | + 55.1 |
| April | 78 | 2,098,022 | 63 | 1,050,508 | 1,588,602 | + 51.2 |
| May | 61 | 1,888,862 | 49 | 986,587 | 1,327,593 | + 34.6 |
| June | 59 | 1,963,646 | 46 | 925,268 | 1,512,595 | + 63.5 |
| July | 59 | 1,933,433 | 45 | 794,234 | 1,191,644 | + 50.0 |
| August | 61 | 2,077,859 | 48 | 845,276 | 1,561,429 | + 84.7 |
| September | 54 | 1,864,114 | 41 | 813,272 | 1,172,183 | + 44.1 |
| October | 57 | 1,840,629 | 50 | 1,120,977 | 1,519,771 | + 35.6 |
| November | 60 | 1,775,080 | 57 | 1,222,516 | 1,689,470 | + 38.2 |
| December | 69 | 1,441,895 | 67 | 956,278 | 1,441,535 | + 50.7 |

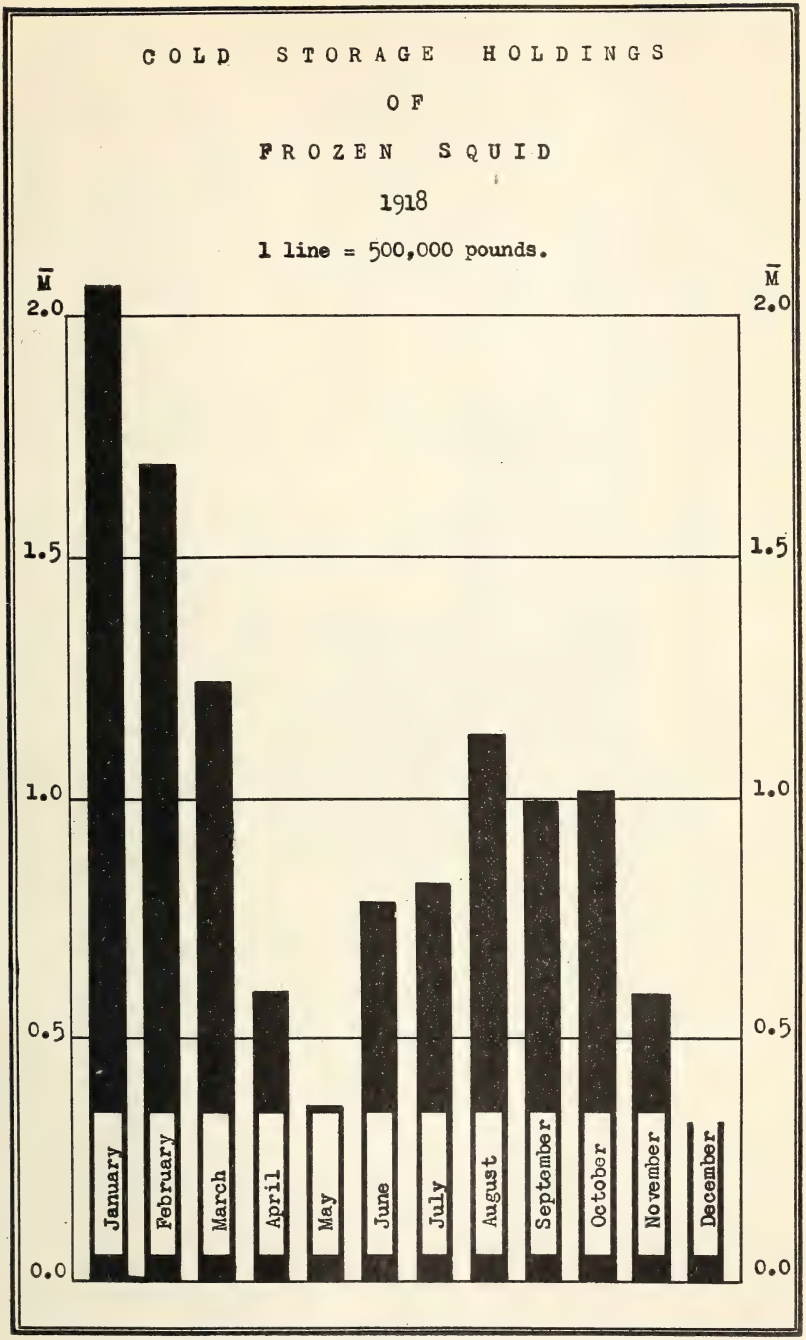
COLD STORAGE HOLDINGS
OF
FROZEN SQUID
1918
1 line = 500,000 pounds.
M
2.0
1.5
1.0
0.5
0.0
January
February
March
April
May
June
July
August
September
October
November
December

FIG. 32.

## SQUID.

In the special report of the Bureau of Census on the Fisheries of the United States the squid is referred to as "cuttle-fish." They are "mollusks found in large numbers all along the coast. The 'common squid,' 'octopus,' 'calamary,' sea arrow,' etc., are different species found in particular localities. They are caught in fish pounds, seines, weirs, and trawls and with fishhooks; large numbers are also taken by driving them on shore by 'torching.' Some are caught with a peculiar arrangement of hooks called a 'squid jig.' Different species vary in length from a few inches to 50 feet. They are important as a bait for many useful fish and as food for man. Oil, 'cuttle bone,' a dentifrice, india ink, etc., are also obtained from them."

The report on January 1, 1918, showed 2,065,680 pounds of squid in cold storage on that date. This was 68.5 per cent more than the quantity held on the same date in 1917. The stocks decreased until May 15, when 362,513 pounds remained in cold storage. An increase occurred on August 15, the stocks then again decreased and on December 15 amounted to 326,247 pounds.

TABLE 58.—*Monthly cold storage holdings of frozen squid during 1918, and increase or decrease during each month.*

| Month. | Holdings on fifteenth of month. | Relative percentage. | Increase or decrease during month. | |
|---|---|---|---|---|
| | *Pounds.* | *Per cent.* | *Pounds.* | *Per cent.* |
| January | 2,065,680 | 100.0 | −370,962 | − 18.0 |
| February | 1,694,718 | 82.0 | −453,271 | − 26.7 |
| March | 1,241,447 | 60.1 | −641,139 | − 51.6 |
| April | 600,308 | 29.1 | −237,795 | − 39.6 |
| May | 362,513 | 17.5 | +424,560 | +117.1 |
| June | 787,073 | 38.1 | + 38,213 | + 4.9 |
| July | 825,286 | 40.0 | +308,499 | + 37.4 |
| August | 1,133,785 | 54.9 | −142,684 | − 12.6 |
| September | 991,101 | 48.0 | + 20,655 | + 2.1 |
| October | 1,011,756 | 49.0 | −414,092 | − 40.9 |
| November | 597,664 | 28.9 | −271,417 | − 45.4 |
| December | 326,247 | 15.8 | − 57,859 | − 17.7 |

TABLE 59.—*Monthly cold storage holdings of frozen squid during 1918 compared with those of 1917.*

| Month. | Reported for 1918. | | Comparison with 1917. | | | |
|---|---|---|---|---|---|---|
| | Storages reporting. | Holdings reported on fifteenth of month. | Storages reporting for both dates. | 1917. | 1918. | Increase or decrease. |
| | *Number.* | *Pounds.* | *Number.* | *Pounds.* | *Pounds.* | *Per cent.* |
| January | 36 | 2,065,680 | 27 | 1,068,212 | 1,799,466 | +68.5 |
| February | 39 | 1,694,718 | 29 | 666,075 | 1,168,351 | +75.4 |
| March | 42 | 1,241,447 | 31 | 628,870 | 1,008,667 | +60.4 |
| April | 39 | 600,308 | 30 | 347,205 | 480,362 | +38.4 |
| May | 30 | 362,513 | 22 | 267,583 | 273,914 | + 2.4 |
| June | 24 | 787,073 | 16 | 1,387,202 | 534,631 | −61.5 |
| July | 30 | 825,286 | 23 | 1,501,790 | 609,461 | −59.4 |
| August | 27 | 1,133,785 | 20 | 1,901,277 | 948,434 | −50.1 |
| September | 25 | 991,101 | 19 | 2,470,616 | 827,809 | −66.5 |
| October | 27 | 1,011,756 | 26 | 2,863,006 | 986,814 | −65.5 |
| November | 33 | 597,664 | 33 | 3,052,079 | 597,664 | −80.4 |
| December | 34 | 326,247 | 33 | 2,434,430 | 326,247 | −86.6 |

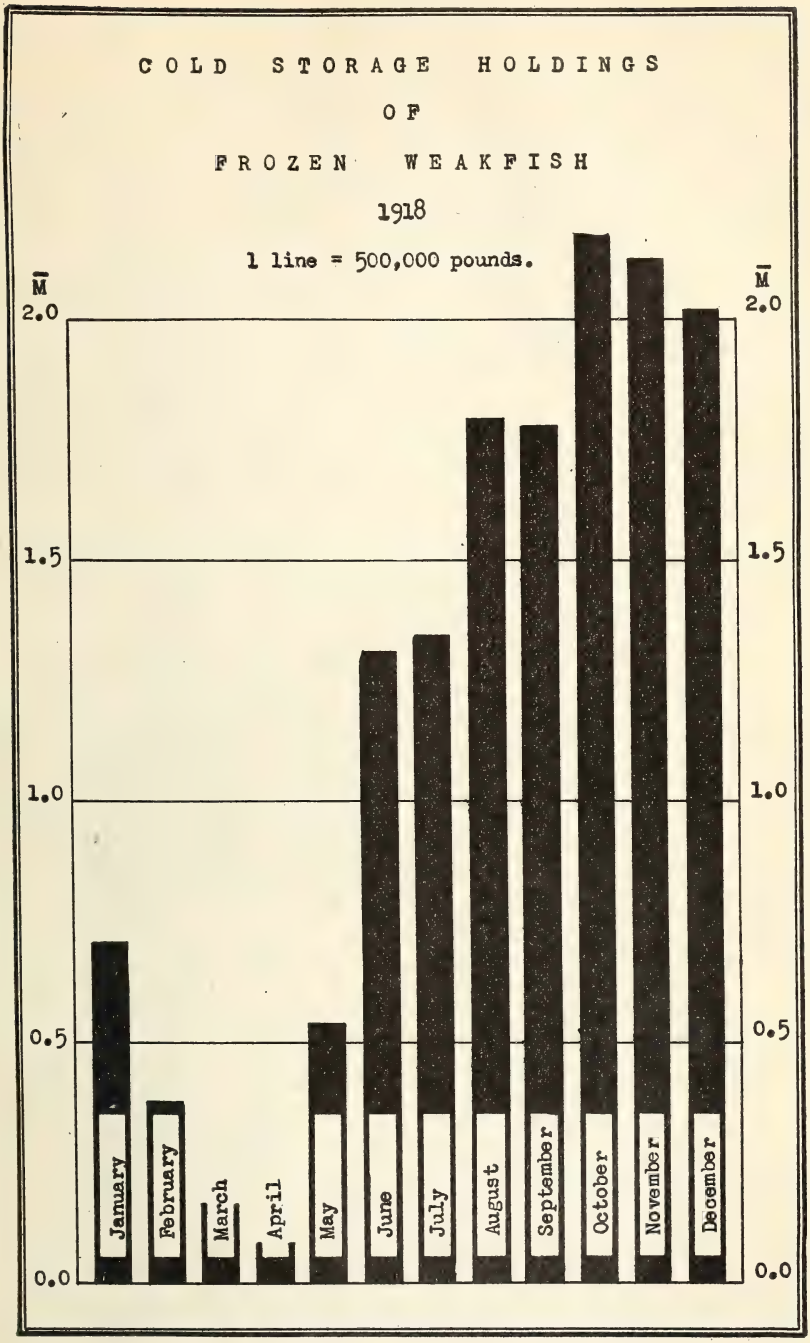
COLD STORAGE HOLDINGS
OF
FROZEN WEAKFISH
1918
1 line = 500,000 pounds.
M
2.0
1.5
1.0
0.5
0.0
January
February
March
April
May
June
July
August
September
October
November
December

FIG. 33.

## WEAKFISH.

The weakfish is given in the special report of the Bureau of the Census on Fisheries of the United States under the name of Squeteague. It is an "excellent food fish found in abundance along the Atlantic Coast from Cape Cod to Florida. It is known as 'drummer' about Cape Cod; 'yellowfin' about Buzzards Bay; 'weakfish' in New York and New Jersey; 'bluefish' in Delaware and Virginia; 'gray trout,' 'sun trout,' 'shad trout,' 'sea trout,' and 'salt water trout' in the Middle and South Atlantic States, and 'squeteague,' 'squit,' 'chickwit,' etc., in various places. It averages about two and one-half pounds in weight, though some individuals attain a weight of 30 pounds. They are caught in seines and gill nets and with hook and line. The spotted squeteague is found from New Jersey to Texas, and is somewhat larger than the preceding."

On January 15, 1918, 712,636 pounds of frozen weakfish remained in cold storage from the previous year. The stocks decreased until April 15, when 85,270 pounds remained. An increase then occurred until October 15 and the reports of that date showed stocks of 2,175,541 pounds. This amount was approximately twice as large as the holdings of the previous year.

TABLE 60.—*Monthly cold storage holdings of frozen weakfish during 1918, and increase or decrease during each month.*

| Month. | Holdings on fifteenth of month. | Relative percentage. | Increase or decrease during month. | |
|---|---|---|---|---|
| | *Pounds.* | *Per cent.* | *Pounds.* | *Per cent.* |
| January | 712,636 | 32.8 | −335,538 | − 47.1 |
| February | 377,098 | 17.3 | −208,922 | − 55.4 |
| March | 168,176 | 7.7 | − 82,906 | − 49.3 |
| April | 85,270 | 3.9 | +454,486 | +533.0 |
| May | 539,756 | 24.8 | +769,729 | +142.6 |
| June | 1,309,485 | 60.2 | + 35,319 | + 2.7 |
| July | 1,344,804 | 61.8 | +449,653 | + 33.4 |
| August | 1,794,457 | 82.5 | − 17,672 | − 1.0 |
| September | 1,776,785 | 81.7 | +398,756 | + 22.4 |
| October | 2,175,541 | 100.0 | − 54,098 | − 2.5 |
| November | 2,121,443 | 97.5 | − 99,343 | − 4.7 |
| December | 2,022,100 | 92.9 | −507,440 | − 25.1 |

TABLE 61.—*Monthly cold storage holdings of frozen weakfish during 1918 compared with those of 1917.*

| Month. | Reported for 1918. | | Comparison with 1917. | | | |
|---|---|---|---|---|---|---|
| | Storages reporting. | Holdings reported on fifteenth of month. | Storages reporting for both dates. | 1917. | 1918. | Increase or decrease. |
| | *Number.* | *Pounds.* | *Number.* | *Pounds.* | *Pounds.* | *Per cent.* |
| January | 26 | 712,636 | 19 | 443,646 | 374,545 | − 15.6 |
| February | 28 | 377,098 | 20 | 88,099 | 100,347 | + 13.9 |
| March | 29 | 168,176 | 22 | 91,493 | 105,004 | + 14.8 |
| April | 27 | 85,270 | 21 | 28,755 | 65,409 | +127.5 |
| May | 22 | 539,756 | 18 | 152,402 | 394,425 | +158.8 |
| June | 23 | 1,309,485 | 19 | 196,531 | 962,560 | +389.8 |
| July | 23 | 1,344,804 | 19 | 228,126 | 982,969 | +330.9 |
| August | 26 | 1,794,457 | 21 | 723,097 | 1,269,802 | + 75.6 |
| September | 24 | 1,776,785 | 19 | 546,588 | 1,228,123 | +124.7 |
| October | 25 | 2,175,541 | 22 | 930,855 | 1,846,255 | + 98.3 |
| November | 27 | 2,121,443 | 25 | 1,460,003 | 2,117,273 | + 45.0 |
| December | 28 | 2,022,100 | 28 | 1,156,420 | 2,022,100 | + 74.9 |

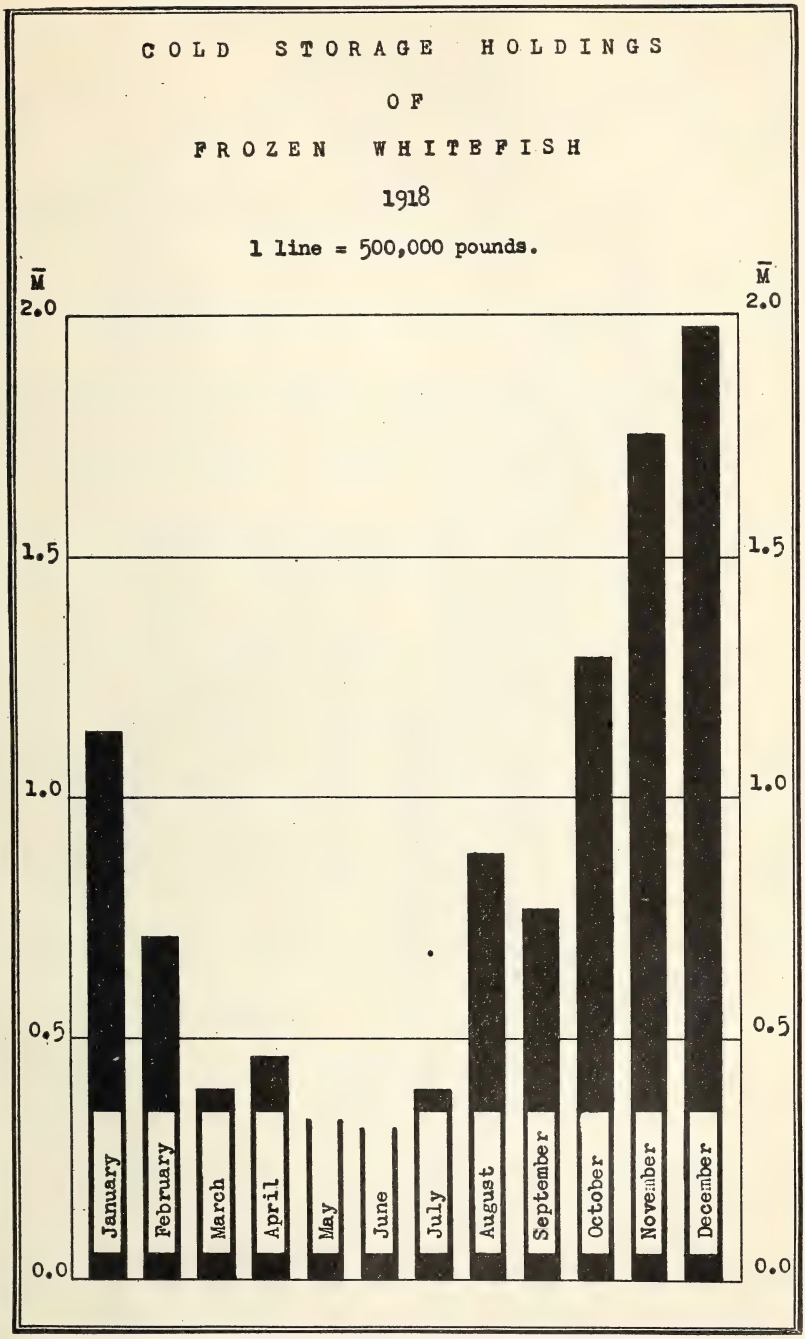
COLD STORAGE HOLDINGS
OF
FROZEN WHITEFISH
1918
1 line = 500,000 pounds.
M
2.0
1.5
1.0
0.5
0.0
January
February
March
April
May
June
July
August
September
October
November
December

FIG. 34.

### WHITEFISH.

Whitefish form one of the most important groups of fresh-water fishes of America. The common whitefish is the most valued of the tribe, although the others are highly esteemed as a food. It is found in the Great Lakes region and is known as 'humpback,' 'bowback,' and 'highback' whitefish; also as 'Otsego bass' in the neighborhood of Otsego Lake, New York. It is caught chiefly in gill nets, and averages less than 4 pounds in weight. Other economic species are the Rocky Mountain whitefish, the Menominee whitefish, also locally known as 'round whitefish,' 'frostfish,' 'shadwater,' 'pilot fish,' 'chivey,' 'blackback,' etc. The whitefishes belong to the salmon family. The name is also applied to the bluefish on the Hudson, to the menhaden in western Connecticut, to the tilefish in California, and to the beluga by whalers."

On January 1, 1,139,079 pounds of frozen whitefish remained in cold storage from the previous season. These stocks declined until June 15 and reached the low point of 312,014 pounds. The largest stocks were reported on December 15 and amounted to 1,976,681 pounds. This was 12.6 per cent more than the holdings of December 15, 1917.

TABLE 62.—*Monthly cold storage holdings of frozen whitefish during 1918, and increase or decrease during each month.*

| Month. | Holdings on fifteenth of month. | Relative percentage. | Increase or decrease during month. | |
|---|---|---|---|---|
| | *Pounds.* | *Per cent.* | *Pounds.* | *Per cent.* |
| January | 1,139,079 | 57.6 | −426,709 | − 37.5 |
| February | 712,370 | 36.0 | −315,116 | − 44.2 |
| March | 397,254 | 20.1 | + 70,233 | + 17.7 |
| April | 467,487 | 23.7 | −132,459 | − 28.3 |
| May | 335,028 | 16.9 | − 23,014 | − 6.9 |
| June | 312,014 | 15.8 | + 80,630 | + 25.8 |
| July | 392,644 | 19.9 | +493,742 | +125.7 |
| August | 886,386 | 44.8 | −116,785 | − 13.2 |
| September | 769,601 | 38.9 | +521,439 | + 67.8 |
| October | 1,291,040 | 65.3 | +466,085 | + 36.1 |
| November | 1,757,125 | 88.9 | +219,556 | + 12.5 |
| December | 1,976,681 | 100.0 | −188,916 | − 9.6 |

TABLE 63.—*Monthly cold storage holdings of frozen whitefish during 1918 compared with those of 1917.*

| Month. | Reported for 1918. | | Comparison with 1917. | | | |
|---|---|---|---|---|---|---|
| | Storages reporting. | Holdings reported on fifteenth of month. | Storages reporting for both dates. | 1917. | 1918. | Increase or decrease. |
| | *Number.* | *Pounds.* | *Number.* | *Pounds.* | *Pounds.* | *Per cent.* |
| January | 70 | 1,139,079 | 59 | 412,639 | 548,198 | +32.9 |
| February | 79 | 712,370 | 61 | 264,617 | 357,142 | +35.0 |
| March | 80 | 397,254 | 65 | 388,290 | 232,791 | −40.0 |
| April | 77 | 467,487 | 62 | 305,970 | 316,504 | + 3.4 |
| May | 61 | 335,028 | 48 | 172,559 | 285,527 | +65.5 |
| June | 51 | 312,014 | 39 | 163,617 | 243,683 | +48.9 |
| July | 55 | 392,644 | 45 | 273,311 | 299,659 | + 9.6 |
| August | 57 | 886,386 | 48 | 380,702 | 538,503 | +41.5 |
| September | 54 | 769,601 | 43 | 349,189 | 392,126 | +12.3 |
| October | 66 | 1,291,040 | 58 | 1,571,846 | 1,231,502 | −21.7 |
| November | 75 | 1,757,125 | 69 | 2,176,720 | 1,751,276 | −19.5 |
| December | 80 | 1,976,681 | 79 | 1,741,026 | 1,960,225 | +12.6 |

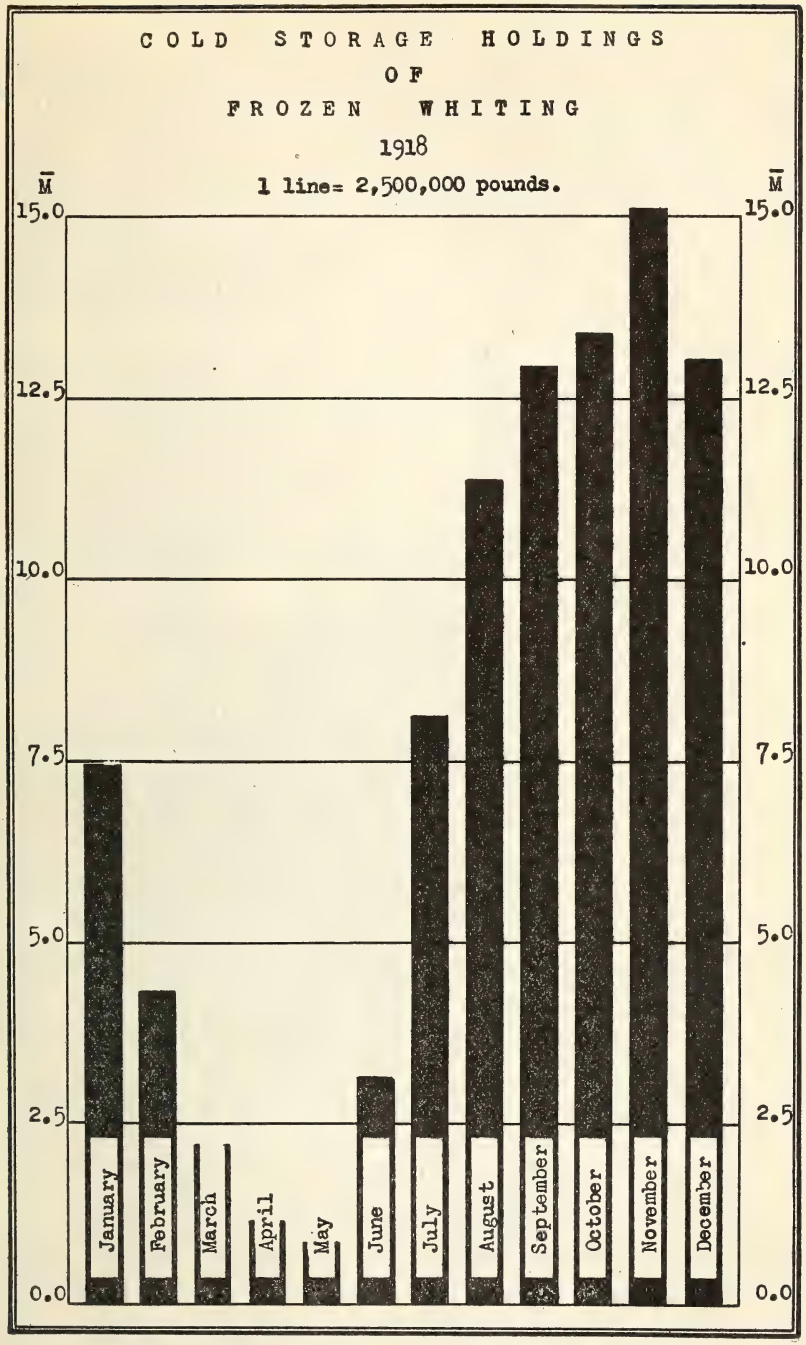
COLD STORAGE HOLDINGS
OF
FROZEN WHITING
1918
1 line= 2,500,000 pounds.
M
15.0
12.5
10.0
7.5
5.0
2.5
0.0
January
February
March
April
May
June
July
August
September
October
November
December

FIG. 35.

WHITING.

"This fish is otherwise known as the 'kingfish' and 'sea-mink'; it is abundant from Cape Ann to Pensacola. The sand-whiting, also known as 'deep-water whiting,' is abundant from Chesapeake Bay to Texas. The surf-whiting, also called the 'silver-whiting,' is common from the Carolinas to Texas. The California whiting is also known as the 'sand-sucker.' On the coast of Florida they are variously known as 'kingfish,' 'barb,' 'bullhead whiting,' and 'ground mullet.' They attain a length of 10 inches and a weight of one and one-half pounds. They are caught with hook and line and in seines, and are a food fish of considerable importance. The name is also applied to the harvest-fish at Norfolk, Virginia, and to the silver hake on the New England Coast."

The holdings of frozen whiting on November 15, 1918, amounted to 15,012,968 pounds, an increase of 17.5 per cent over the stocks on November 15, 1917. With the exception of herring stocks there were more frozen whiting in cold storage at this date than of any other variety. They amounted to approximately 14 per cent of all fish frozen during the year. The lowest stock reported was on May 15, when the reports showed 867,531 pounds. The holdings decreased from January 15 to May 15 and increased from May 15 to November 15.

TABLE 64.—*Monthly cold storage holdings of frozen whiting during 1918, and increase or decrease during each month.*

| Month. | Holdings on fifteenth of month. | Relative percentage. | Increase or decrease during month. | |
|---|---|---|---|---|
| | *Pounds.* | *Per cent.* | *Pounds.* | *Per cent.* |
| January | 7,457,961 | 49.7 | −3,150,071 | − 42.2 |
| February | 4,307,890 | 28.7 | −2,111,536 | − 49.0 |
| March | 2,196,354 | 14.6 | −1,046,124 | − 47.6 |
| April | 1,150,230 | 7.7 | − 282,699 | − 24.6 |
| May | 867,531 | 5.8 | +2,262,608 | +260.8 |
| June | 3,130,139 | 20.8 | +4,981,654 | +159.2 |
| July | 8,111,793 | 54.0 | +3,234,999 | + 39.9 |
| August | 11,346,792 | 75.6 | +1,565,862 | + 13.8 |
| September | 12,912,654 | 86.0 | + 496,770 | + 3.8 |
| October | 13,409,424 | 89.3 | +1,603,544 | + 12.0 |
| November | 15,012,968 | 100.0 | −1,997,102 | − 13.3 |
| December | 13,015,866 | 86.7 | −2,790,660 | − 21.4 |

TABLE 65.—*Monthly cold storage holdings of frozen whiting during 1918 compared with those of 1917.*

| Month. | Reported for 1918. | | Comparison with 1917. | | | |
|---|---|---|---|---|---|---|
| | Storages reporting. | Holdings reported on fifteenth of month. | Storages reporting for both dates. | 1917. | 1918. | Increase or decrease. |
| | *Number.* | *Pounds.* | *Number.* | *Pounds.* | *Pounds.* | *Per cent.* |
| January | 94 | 7,457,961 | 77 | 2,572,581 | 5,462,105 | +112.3 |
| February | 101 | 4,307,890 | 79 | 935,435 | 2,458,416 | +162.8 |
| March | 109 | 2,196,354 | 87 | 393,300 | 958,091 | +143.6 |
| April | 102 | 1,150,230 | 85 | 140,089 | 599,778 | +328.1 |
| May | 73 | 867,531 | 59 | 128,364 | 517,662 | +303.3 |
| June | 69 | 3,130,139 | 54 | 4,564,823 | 2,522,827 | − 44.7 |
| July | 74 | 8,111,793 | 60 | 9,046,728 | 7,413,594 | − 18.1 |
| August | 75 | 11,346,792 | 61 | 10,905,627 | 10,592,141 | − 2.9 |
| September | 70 | 12,910,654 | 55 | 9,931,049 | 11,848,235 | + 19.3 |
| October | 72 | 13,409,424 | 67 | 11,424,723 | 12,764,202 | + 11.7 |
| November | 77 | 15,012,968 | 76 | 12,339,486 | 14,495,768 | + 17.5 |
| December | 86 | 13,015,866 | 85 | 11,498,434 | 12,997,666 | + 13.0 |

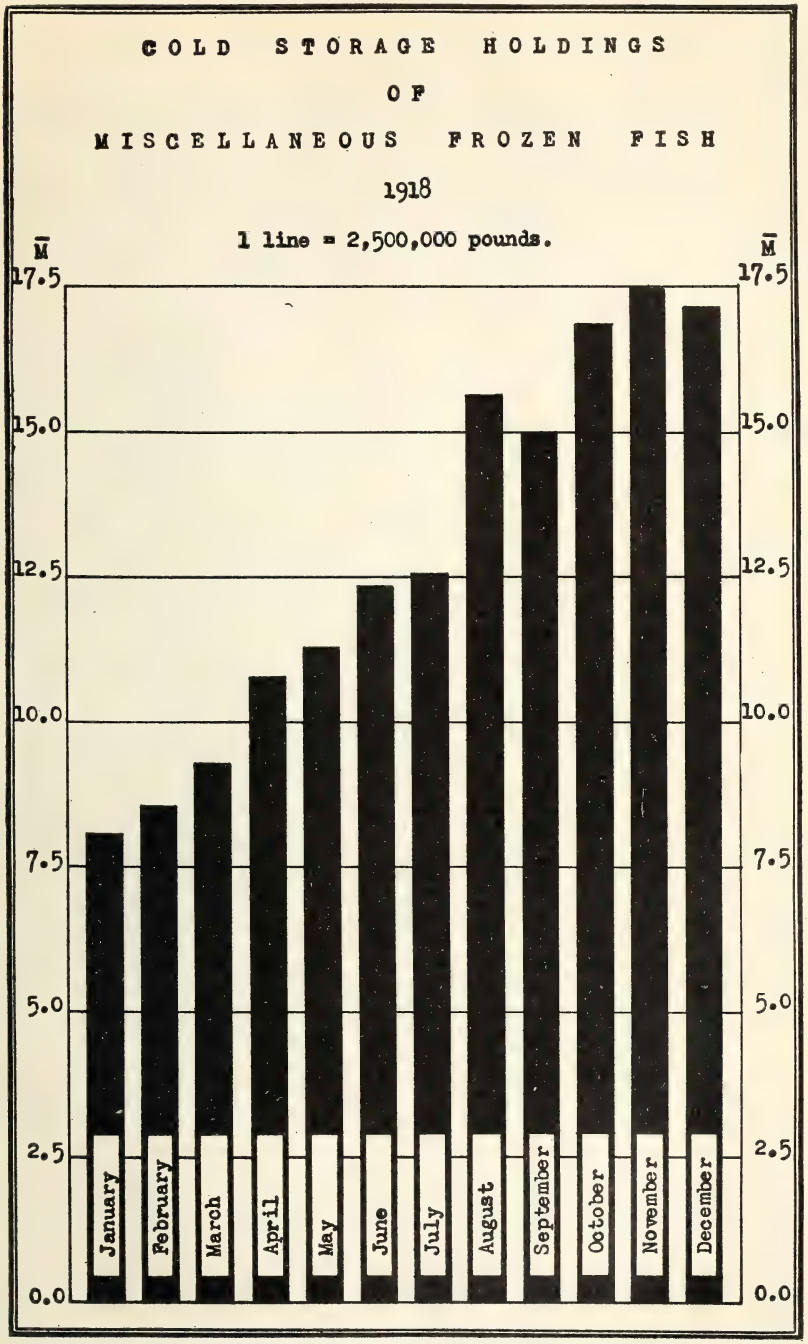
COLD STORAGE HOLDINGS
OF
MISCELLANEOUS FROZEN FISH
1918
1 line = 2,500,000 pounds.
M
17.5
15.0
12.5
10.0
7.5
5.0
2.5
0.0
January
February
March
April
May
June
July
August
September
October
November
December

FIG. 36.

### MISCELLANEOUS FISH.

The stocks of miscellaneous fish increased from approximately 8,000,000 pounds on January 15 to 17,500,000 on November 15. More than 16 per cent of the total stocks of frozen fish were included in the miscellaneous group. The holdings on November 15 were 81.7 per cent greater than those on November 15, 1917.

In Table 68 are grouped the total holdings of frozen fish during each month in 1918. This table shows that the smallest quantity stored was on April 15 and the largest quantity on November 15. The holdings of the former date are 26,548,472 pounds and of the latter date 99,631,789 pounds. The holdings of November 15 were an increase of 37.2 per cent over those of the previous year. The greatest increase was from May 15 to June 15 and the greatest decrease was from January 15 to February 15.

Table 69 shows the total holdings reported for each month and a comparison of each month's holdings with those of the same date in 1917. Figure 36 is a graphic presentation of the stocks of frozen fish for each month during the year. Figure 37 represents the comparative quantities of each variety held in cold storage. For each variety is shown the maximum holdings of the year.

TABLE 66.—*Monthly cold storage holdings of miscellaneous frozen fish during 1918, and increase or decrease during each month.*

| Month. | Holdings on fifteenth of month. | Relative percentage. | Increase or decrease during month. | |
|---|---|---|---|---|
| | *Pounds.* | *Per cent.* | *Pounds.* | *Per cent.* |
| January | 8,101,331 | 46.4 | + 489,894 | + 6.0 |
| February | 8,591,225 | 49.2 | + 731,285 | + 8.5 |
| March | 9,322,510 | 53.3 | +1,517,119 | +16.3 |
| April | 10,839,629 | 62.0 | + 485,190 | + 4.5 |
| May | 11,324,819 | 64.8 | +1,073,092 | + 9.5 |
| June | 12,397,911 | 70.9 | + 176,930 | + 1.4 |
| July | 12,574,841 | 72.0 | +3,092,725 | +24.6 |
| August | 15,667,566 | 89.6 | − 666,454 | − 4.3 |
| September | 15,001,112 | 85.8 | +1,887,078 | +12.6 |
| October | 16,888,190 | 96.6 | + 588,907 | + 3.5 |
| November | 17,477,097 | 100.0 | − 293,366 | − 1.7 |
| December | 17,183,731 | 98.3 | −2,393,819 | −13.9 |

TABLE 67.—*Monthly cold storage holdings of miscellaneous frozen fish during 1918 compared with those of 1917.*

| Month. | Reported for 1918. | | Comparison with 1917. | | | |
|---|---|---|---|---|---|---|
| | Storages reporting. | Holdings reported on fifteenth of month. | Storages reporting for both dates. | 1917. | 1918. | Increase or decrease. |
| | *Number.* | *Pounds.* | *Number.* | *Pounds.* | *Pounds.* | *Per cent.* |
| January | 137 | 8,101,331 | 113 | 3,319,168 | 4,717,718 | + 42.1 |
| February | 148 | 8,591,225 | 117 | 2,764,033 | 4,315,066 | + 56.1 |
| March | 147 | 9,322,510 | 121 | 3,313,401 | 6,641,260 | +100.4 |
| April | 148 | 10,839,629 | 128 | 1,862,965 | 7,555,764 | +305.6 |
| May | 131 | 11,324,819 | 108 | 2,509,191 | 8,207,454 | +227.1 |
| June | 128 | 12,397,911 | 104 | 4,517,987 | 8,833,729 | + 95.5 |
| July | 135 | 12,574,841 | 112 | 5,766,947 | 8,645,518 | + 49.9 |
| August | 138 | 15,667,566 | 115 | 6,057,725 | 9,574,236 | + 58.1 |
| September | 133 | 15,001,112 | 110 | 6,357,757 | 8,947,569 | + 40.7 |
| October | 144 | 16,888,190 | 128 | 9,133,346 | 16,035,811 | + 75.6 |
| November | 146 | 17,477,097 | 141 | 9,557,778 | 17,370,875 | + 81.7 |
| December | 153 | 17,183,731 | 149 | 10,692,890 | 17,138,951 | + 60.3 |

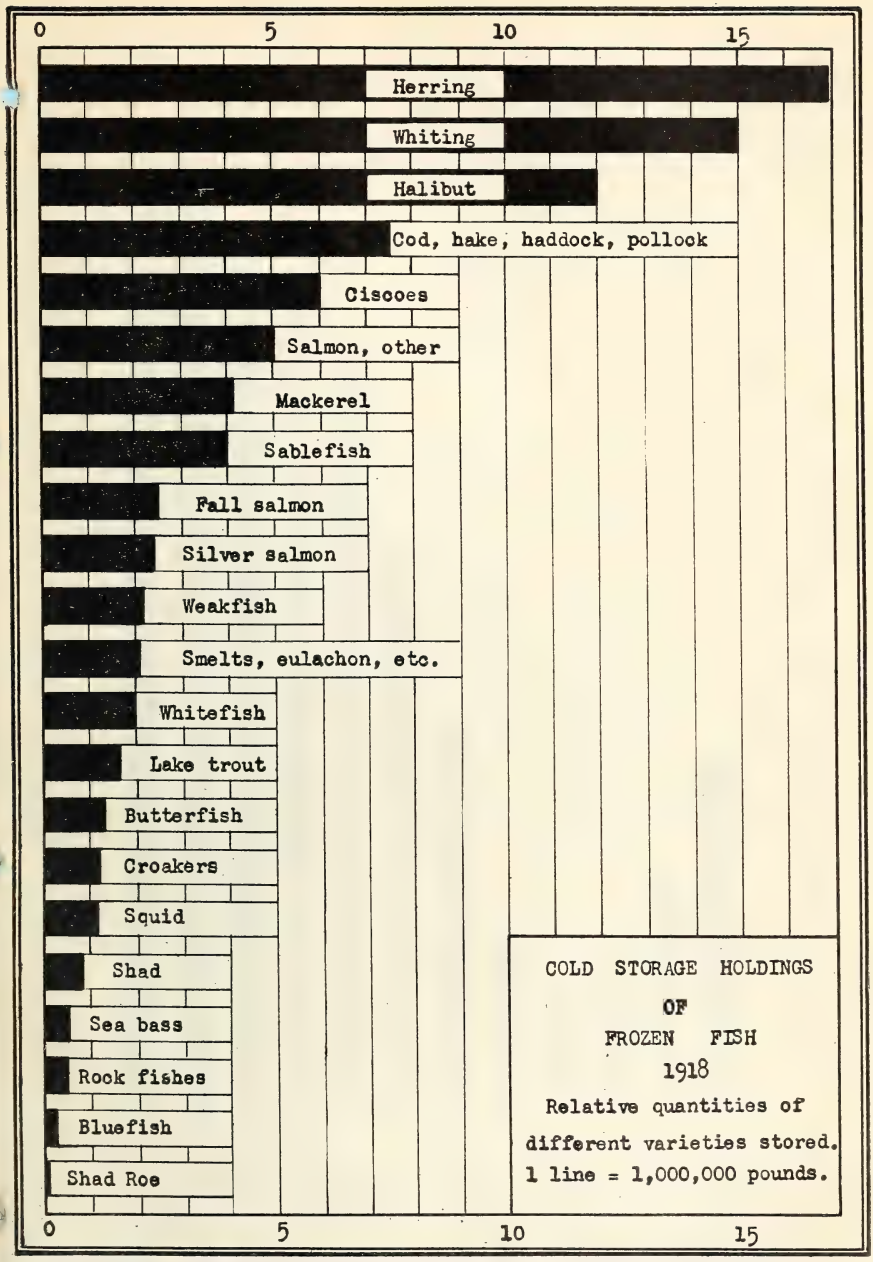
0
5
10
15
Herring
Whiting
Halibut
Cod, hake, haddock, pollock
Ciscoes
Salmon, other
Mackerel
Sablefish
Fall salmon
Silver salmon
Weakfish
Smelts, eulachon, etc.
Whitefish
Lake trout
Butterfish
Croakers
Squid
Shad
Sea bass
Rock fishes
Bluefish
Shad Roe
COLD STORAGE HOLDINGS
OF
FROZEN FISH
1918
Relative quantities of
different varieties stored.
1 line = 1,000,000 pounds.
0
5
10
15

FIG. 37.

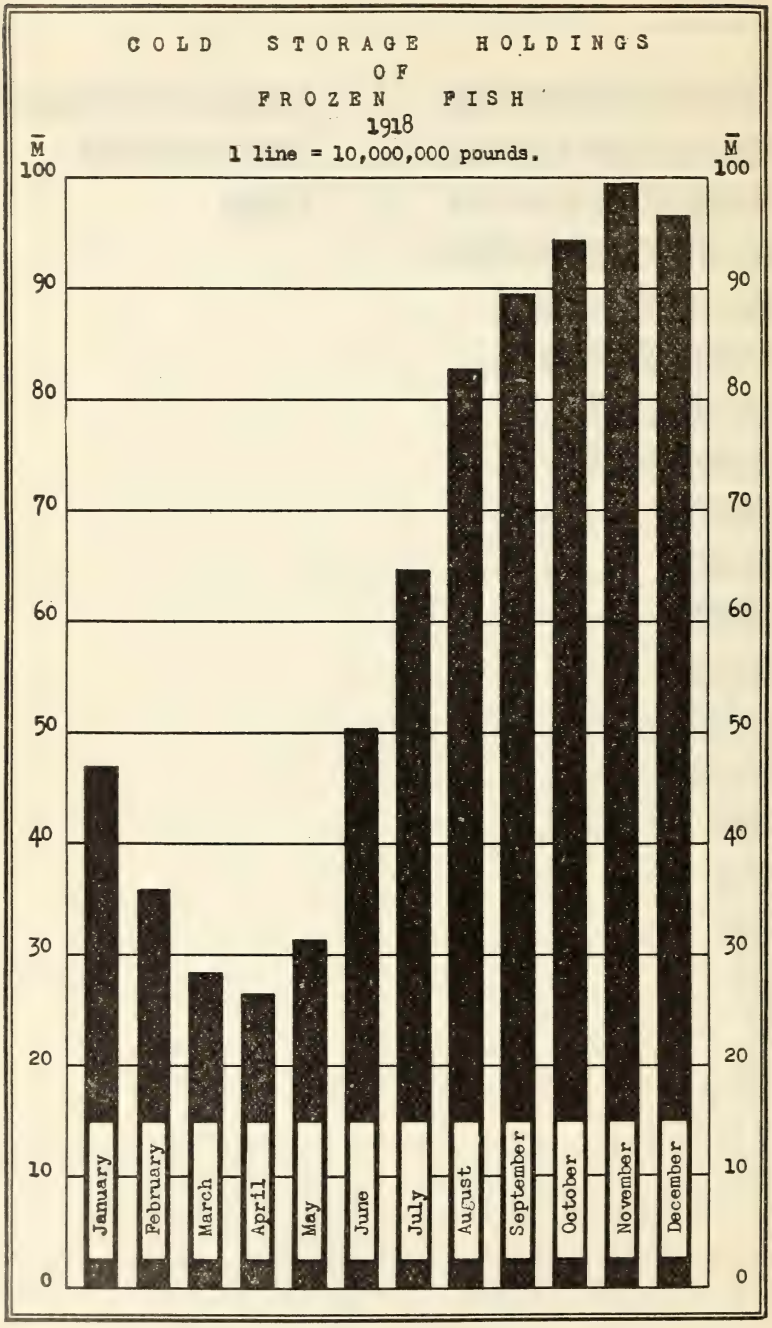
COLD STORAGE HOLDINGS
OF
FROZEN FISH
1918
1 line = 10,000,000 pounds.
M
100
90
80
70
60
50
40
30
20
10
0
January
February
March
April
May
June
July
August
September
October
November
December

FIG. 38.

TABLE 68.—*Monthly cold storage holdings of frozen fish during 1918, and increase or decrease during each month.*

| Month. | Holdings on fifteenth of month. | Relative percentage. | Increase or decrease during month. | |
|---|---|---|---|---|
| | *Pounds.* | *Per cent.* | *Pounds.* | *Per cent.* |
| January | 49,562,848 | 49.7 | −13,655,777 | −27.6 |
| February | 35,907,071 | 36.0 | − 7,449,770 | −20.7 |
| March | 28,457,301 | 28.6 | − 1,908,829 | − 6.7 |
| April | 26,548,472 | 26.6 | + 4,854,953 | +18.3 |
| May | 31,403,425 | 31.5 | +18,894,602 | +60.2 |
| June | 50,298,027 | 50.5 | +14,561,505 | +29.0 |
| July | 64,859,532 | 65.1 | +17,913,697 | +27.6 |
| August | 82,773,229 | 83.1 | + 6,784,741 | + 8.2 |
| September | 89,557,970 | 89.9 | + 4,853,778 | + 5.4 |
| October | 94,411,748 | 94.8 | + 5,220,041 | + 5.5 |
| November | 99,631,789 | 100.0 | − 3,031,542 | − 3.0 |
| December | 96,600,247 | 97.0 | −14,646,383 | −15.2 |

TABLE 69.—*Monthly cold storage holdings of frozen fish during 1918 compared with those of 1917.*

| Month. | Reported for 1918. | | Comparison with 1917. | | | |
|---|---|---|---|---|---|---|
| | Storages reporting. | Holdings reported on fifteenth of month. | Storages reporting for both dates. | 1917. | 1918. | Increase or decrease. |
| | *Number.* | *Pounds.* | *Number.* | *Pounds.* | *Pounds.* | *Per cent.* |
| January | 177 | 49,562,848 | 144 | 32,234,530 | 36,848,447 | + 14.3 |
| February | 189 | 35,907,071 | 156 | 14,727,099 | 19,948,869 | + 35.5 |
| March | 187 | 28,457,301 | 157 | 13,374,429 | 19,869,069 | + 48.6 |
| April | 188 | 26,548,472 | 163 | 9,516,217 | 19,054,027 | +100.2 |
| May | 166 | 31,403,425 | 142 | 14,040,294 | 24,238,138 | + 72.6 |
| June | 171 | 50,298,027 | 144 | 27,791,047 | 41,167,057 | + 48.1 |
| July | 176 | 64,859,532 | 149 | 38,431,221 | 52,905,689 | + 37.7 |
| August | 180 | 82,773,229 | 154 | 44,024,666 | 65,504,384 | + 48.8 |
| September | 175 | 89,557,970 | 146 | 47,197,660 | 68,497,513 | + 45.1 |
| October | 185 | 94,411,748 | 169 | 60,676,722 | 86,016,054 | + 41.8 |
| November | 192 | 99,631,789 | 185 | 70,938,957 | 97,310,173 | + 37.2 |
| December | 191 | 96,600,247 | 186 | 69,986,671 | 96,699,190 | + 38.2 |

## REVIEW OF THE 1918 STORAGE HOLDINGS OF CURED HERRING AND MILD CURED SALMON.

### CURED HERRING.

On January 15, 1918, there were almost 6,500,000 pounds of cured herring stored. The holdings decreased to 4,500,000 pounds on February 15, then increased monthly until September 15, when the stocks amounted approximately to 28,500,000 pounds. The greatest increase was 7,329,154 pounds from May 15 to June 15. The greatest decrease was 4,362,054 pounds from September 15 to October 15. The holdings of September 15, 1918, were 93.2 per cent greater than those of September 15, 1917.

TABLE 70.—*Monthly storage holdings of herring cured during 1918, and increase or decrease during each month.*

| Month. | Holdings on fifteenth of month. | Relative percentage. | Increase or decrease during month. | |
|---|---|---|---|---|
| | *Pounds.* | *Per cent.* | *Pounds.* | *Per cent.* |
| January | 6,455,713 | 22.7 | −1,944,706 | −30.1 |
| February | 4,511,007 | 15.9 | +1,090,982 | +24.2 |
| March | 5,601,989 | 19.7 | +2,525,356 | +45.1 |
| April | 8,127,345 | 28.6 | +4,178,910 | +51.4 |
| May | 12,306,255 | 43.3 | +7,329,154 | +59.6 |
| June | 19,635,409 | 69.1 | +4,192,320 | +21.4 |
| July | 23,827,729 | 83.9 | +3,521,459 | +14.8 |
| August | 27,349,188 | 96.3 | +1,059,509 | + 3.9 |
| September | 28,408,697 | 100.0 | −4,362,054 | −15.4 |
| October | 24,046,643 | 84.6 | −3,945,073 | −16.4 |
| November | 20,101,570 | 70.8 | −1,361,221 | − 6.8 |
| December | 18,740,349 | 66.0 | −3,021,387 | −16.1 |

TABLE 71.—*Monthly storage holdings of herring cured during 1918 compared with those of 1917.*

| Month. | Reported for 1918. | | Comparison with 1917. | | | |
|---|---|---|---|---|---|---|
| | Storages reporting. | Holdings reported on fifteenth of month. | Storages reporting for both dates. | 1917. | 1918. | Increase or decrease. |
| | *Number.* | *Pounds.* | *Number.* | *Pounds.* | *Pounds.* | *Per cent.* |
| January | 79 | 6,455,713 | 62 | 3,352,626 | 1,866,323 | − 44.3 |
| February | 87 | 4,511,007 | 69 | 4,727,164 | 3,679,797 | − 22.2 |
| March | 88 | 5,601,989 | 74 | 5,997,972 | 5,110,567 | − 14.8 |
| April | 88 | 8,127,345 | 74 | 7,321,778 | 7,248,108 | − 1.0 |
| May | 74 | 12,306,255 | 61 | 7,370,595 | 9,178,999 | + 24.5 |
| June | 76 | 19,635,409 | 63 | 10,389,087 | 14,876,177 | + 43.2 |
| July | 81 | 23,827,729 | 67 | 12,180,431 | 17,221,167 | + 41.4 |
| August | 79 | 27,349,188 | 68 | 12,187,193 | 20,709,586 | + 69.9 |
| September | 75 | 28,408,697 | 59 | 10,186,711 | 19,675,875 | + 93.2 |
| October | 83 | 24,046,643 | 72 | 8,816,582 | 23,068,351 | +161.6 |
| November | 90 | 20,101,570 | 85 | 8,843,052 | 19,830,423 | +124.2 |
| December | 87 | 18,740,349 | 84 | 7,928,363 | 18,713,449 | +136.0 |

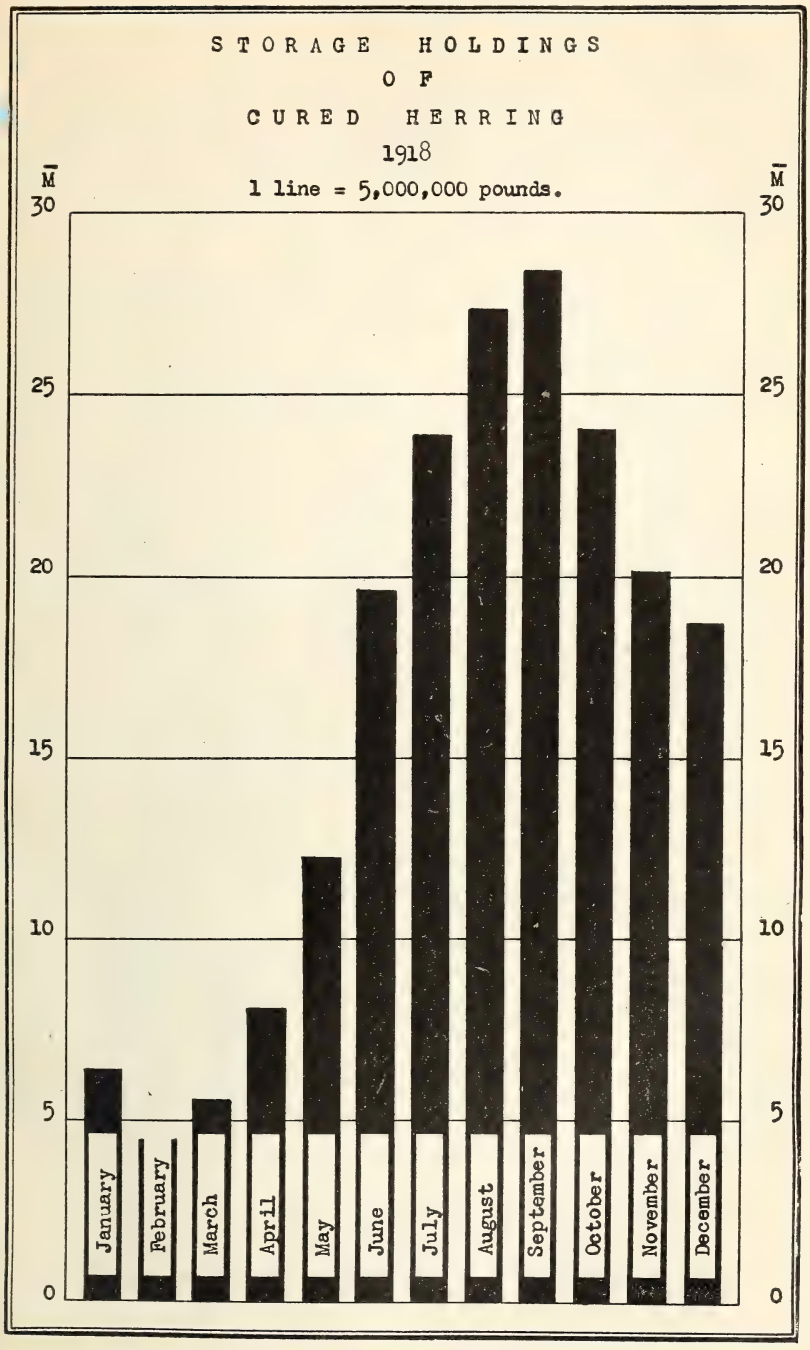
STORAGE HOLDINGS
OF
CURED HERRING
1918
1 line = 5,000,000 pounds.
M
30
25
20
15
10
5
0
January
February
March
April
May
June
July
August
September
October
November
December

FIG. 39.

### MILD CURED SALMON.

The stocks of mild cured salmon on January 15, 1918, amounted to approximately 3,000,000 pounds. They decreased to 1,872,920 pounds on May 15, then increased until October 15, when the report showed 7,123,756 pounds. This was 28.2 per cent more than the quantity stored on October 15, 1917. The greatest increase occurred from July 15 to September 15, the increase during these months being more than 3,500,000 pounds.

TABLE 72.—*Monthly storage holdings of mild cured salmon during 1918, and increase or decrease during each month.*

| Month. | Holdings on fifteenth of month. | Relative percentage. | Increase or decrease during month. | |
|---|---|---|---|---|
| | *Pounds.* | *Per cent.* | *Pounds.* | *Per cent.* |
| January | 2,993,133 | 42.0 | − 95,020 | − 3.2 |
| February | 2,898,113 | 40.7 | − 510,623 | −17.6 |
| March | 2,387,490 | 33.5 | − 403,355 | −16.9 |
| April | 1,984,135 | 27.9 | − 111,215 | − 5.6 |
| May | 1,872,920 | 26.3 | + 277,819 | +14.8 |
| June | 2,150,739 | 30.2 | + 838,277 | +39.0 |
| July | 2,989,016 | 42.0 | +2,160,795 | +72.3 |
| August | 5,149,811 | 72.3 | +1,427,058 | +27.7 |
| September | 6,576,869 | 92.3 | + 546,887 | + 8.3 |
| October | 7,123,756 | 100.0 | − 218,998 | − 3.1 |
| November | 6,904,758 | 96.9 | − 232,610 | − 3.4 |
| December | 6,672,148 | 93.7 | − 801,684 | −12.0 |

TABLE 73.—*Monthly storage holdings of mild cured salmon during 1918 compared with those of 1917.*

| Month. | Reported for 1918. | | Comparison with 1917. | | | |
|---|---|---|---|---|---|---|
| | Storages reporting. | Holdings reported on fifteenth of month. | Storages reporting for both dates. | 1917. | 1918. | Increase or decrease. |
| | *Number.* | *Pounds.* | *Number.* | *Pounds.* | *Pounds.* | *Per cent.* |
| January | 51 | 2,993,133 | 43 | 3,480,362 | 2,290,198 | −34.2 |
| February | 55 | 2,898,113 | 45 | 3,936,370 | 2,597,026 | −34.0 |
| March | 55 | 2,387,490 | 48 | 2,729,941 | 1,977,408 | −27.6 |
| April | 52 | 1,984,135 | 43 | 2,583,538 | 1,593,045 | −38.3 |
| May | 48 | 1,872,920 | 41 | 2,245,249 | 1,522,497 | −32.2 |
| June | 49 | 2,150,739 | 43 | 2,174,066 | 1,453,851 | −33.1 |
| July | 51 | 2,989,016 | 44 | 2,249,416 | 1,912,394 | −15.0 |
| August | 53 | 5,149,811 | 47 | 3,746,727 | 4,191,811 | +11.9 |
| September | 46 | 6,576,869 | 40 | 3,587,187 | 3,892,719 | + 8.5 |
| October | 49 | 7,123,756 | 43 | 5,112,937 | 6,557,023 | +28.2 |
| November | 52 | 6,904,758 | 49 | 4,716,159 | 6,891,518 | +46.1 |
| December | 49 | 6,672,148 | 47 | 4,545,784 | 6,670,818 | +46.7 |

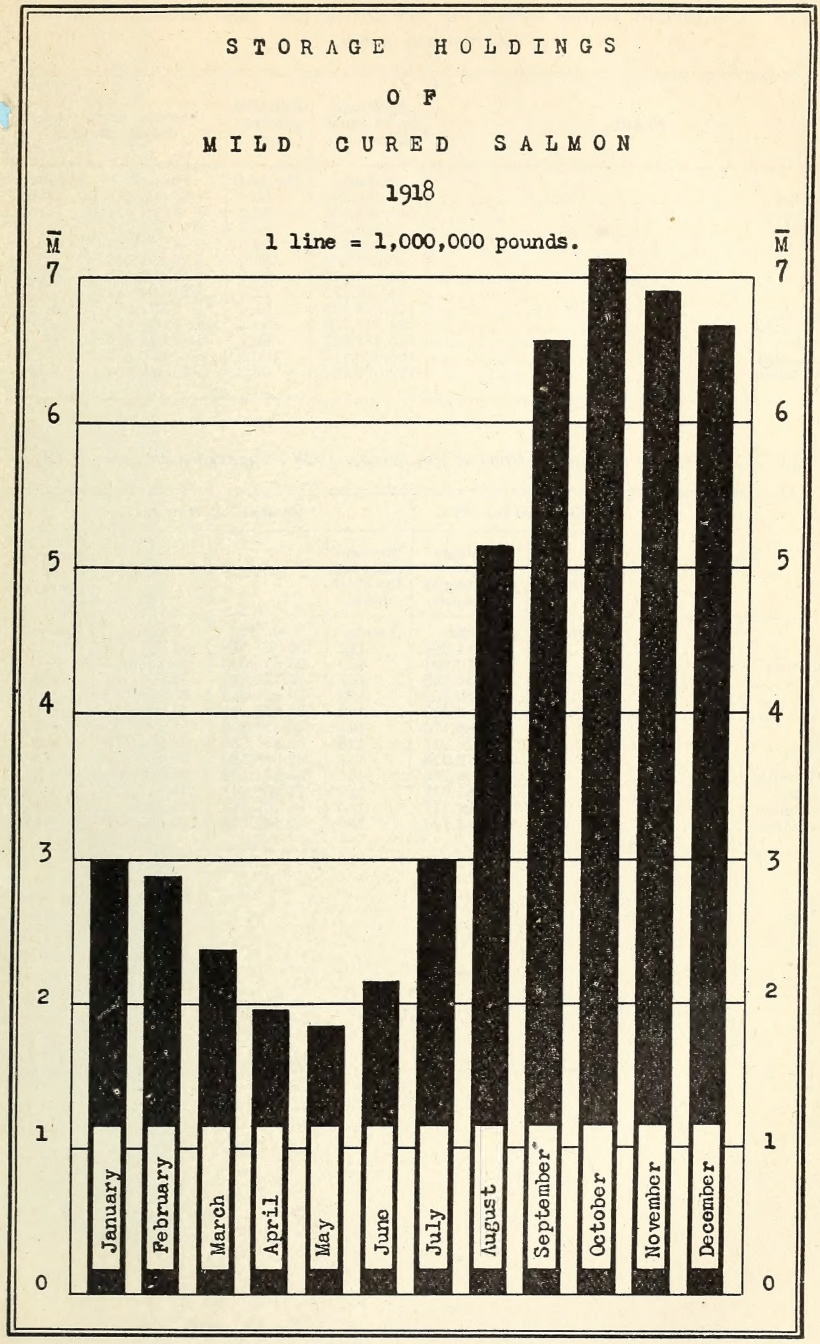
STORAGE HOLDINGS
OF
MILD CURED SALMON
1918
1 line = 1,000,000 pounds.
M
7
6
5
4
3
2
1
0
January
February
March
April
May
June
July
August
September
October
November
December

FIG. 40.

TABLE 74.—*Monthly storage holdings of fish during 1918, and increase or decrease during each month.*

| Month. | Holdings on fifteenth of month. | Relative percentage. | Increase or decrease during month. | |
|---|---|---|---|---|
| | *Pounds.* | *Per cent.* | *Pounds.* | *Per cent.* |
| January | 59,011,694 | 46.6 | −15,695,503 | −26.6 |
| February | 43,316,191 | 34.2 | − 6,869,411 | −15.9 |
| March | 36,446,780 | 28.8 | + 213,172 | + 0.6 |
| April | 36,659,952 | 28 9 | + 8,922,648 | +24.3 |
| May | 45,582,600 | 36.0 | +26,501,575 | +58.1 |
| June | 72,084,175 | 56.9 | +19,592,102 | +27.2 |
| July | 91,676,277 | 72.4 | +23,595,951 | +25.7 |
| August | 115,272,228 | 91.0 | + 9,271,308 | + 8.0 |
| September | 124,543,536 | 98.3 | + 1,038,111 | + 0.8 |
| October | 125,581,647 | 99.2 | + 1,056,470 | + 0.8 |
| November | 126,638,117 | 100.0 | − 4,625,373 | − 3.7 |
| December | 122,012,744 | 96.3 | −18,469,454 | −15.1 |

TABLE 75.—*Monthly storage holdings of fish during 1918 compared with those of 1917.*

| Month. | Reported for 1918. | | Comparison with 1917. | | | |
|---|---|---|---|---|---|---|
| | Storages reporting. | Holdings reported on fifteenth of month. | Storages reporting for both dates. | 1917. | 1918. | Increase or decrease. |
| | *Number.* | *Pounds.* | *Number.* | *Pounds.* | *Pounds.* | *Per cent.* |
| January | 177 | 59,011,694 | 144 | 39,067,518 | 41,004,968 | + 5.0 |
| February | 189 | 43,316,191 | 156 | 23,390,633 | 26,225,692 | +12.1 |
| March | 187 | 36,446,780 | 157 | 22,102,342 | 26,977,044 | +22.1 |
| April | 188 | 36,659,952 | 163 | 19,421,533 | 27,895,180 | +43.6 |
| May | 166 | 45,582,600 | 142 | 23,656,138 | 34,939,634 | +47.7 |
| June | 171 | 72,084,175 | 144 | 40,354,200 | 57,497,085 | +42.5 |
| July | 176 | 91,676,277 | 149 | 52,861,068 | 72,039,250 | +36.3 |
| August | 180 | 115,272,228 | 154 | 59,958,586 | 90,405,781 | +50.8 |
| September | 175 | 124,543,536 | 146 | 60,971,558 | 92,076,107 | +51.0 |
| October | 185 | 125,581,647 | 169 | 74,606,241 | 115,641,428 | +55.0 |
| November | 192 | 126,638,117 | 185 | 84,498,168 | 124,032,114 | +46.8 |
| December | 191 | 122,012,744 | 186 | 82,460,818 | 120,083,457 | +45.6 |

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